

C O N T E N T S

Preliminary Announcement of
Summer Sessions 1944

Law School Announcement
Summer 1944

Summer Sessions Bulletin 1944

School of Engineering
Bulletin 1944-45

Composite Catalogue 1944-45

Law School Bulletin 1944-45

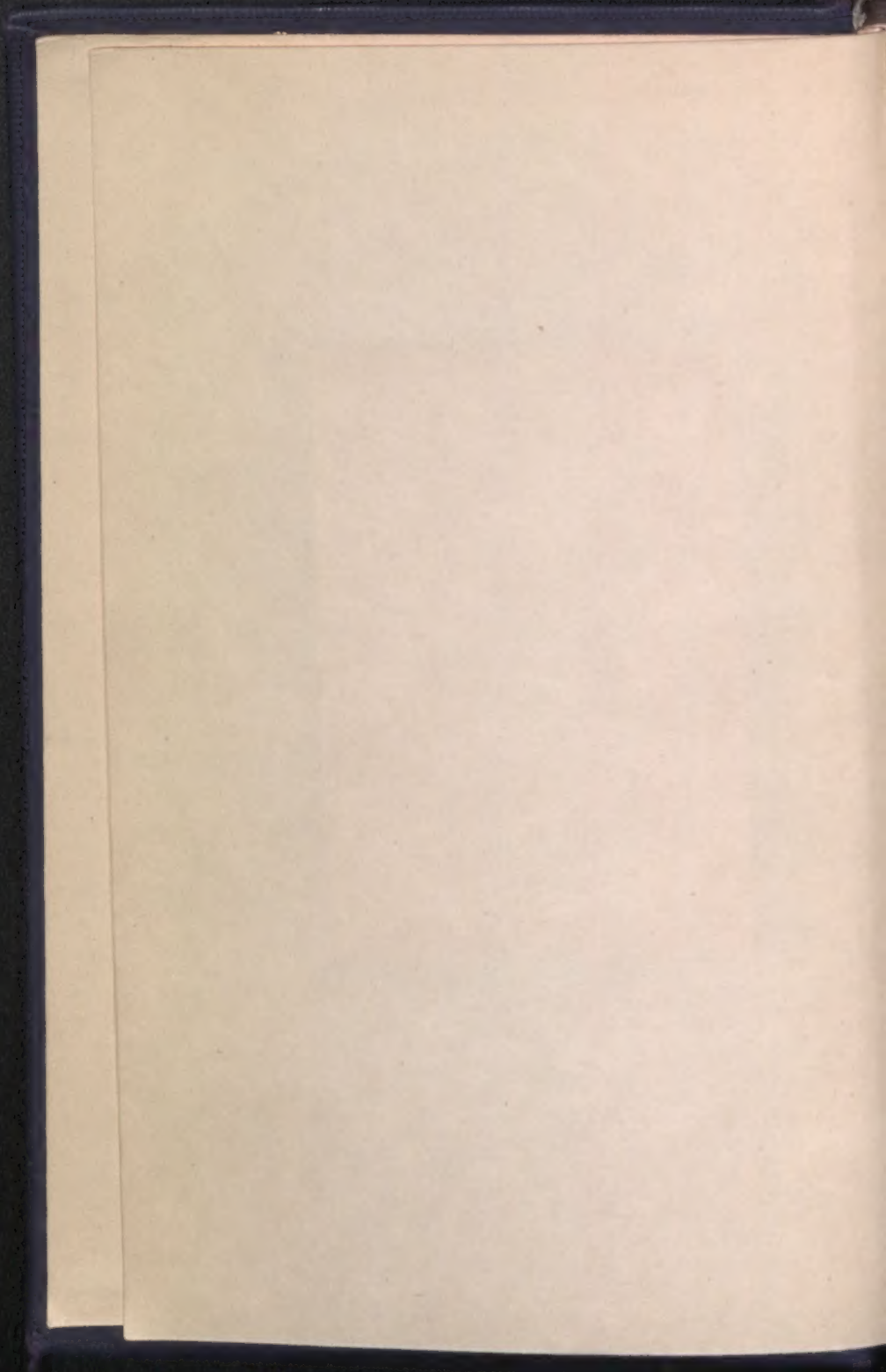
Comptroller's Report 1944

Ordinances and Code Governing
the Academic Personnel 1945

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George Washington University,
Washington, D.C.

The George Washington University Bulletin
1944-45

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THE
GEORGE
WASHINGTON
UNIVERSITY

BULLETIN

PRELIMINARY ANNOUNCEMENT

THE SUMMER SESSIONS

1944



WASHINGTON, D. C.

FEBRUARY 1944

533178

THE SUMMER SESSIONS OF 1944

The University announces an accelerated program of instruction for the Summer Sessions of 1944, and offers courses leading to the certificate in the Junior College and to the appropriate degrees in the Columbian College of liberal arts and sciences, the School of Medicine, the Law School, the School of Engineering, the School of Education, and the School of Government. The courses offered during the Summer Sessions are open to persons qualified to undertake such study, even though they are not candidates for degrees. The facilities for advanced study and research also are afforded to doctoral students registered under the Graduate Council.

The courses offered in the Summer Sessions include the same materials and carry the same credits as courses offered in the fall and winter terms.

Students graduating from secondary schools in 1944 as well as those who have not had previous college training may begin courses of study in the Summer Sessions which will enable them to acquire a substantial amount of the essential college study recommended by the Army and Navy as a part of the war training program.

DATES OF SUMMER SESSIONS

THE LIBERAL ARTS AND SCIENCES PROGRAM

A program of courses of particular value to students of the *Junior College* and the *Columbian College* of liberal arts and sciences is offered in two sessions of accelerated work. The first session begins Monday, June 5 and ends Wednesday, July 26; the second session begins Thursday, July 27 and ends Friday, September 15. Classes will normally meet Monday through Friday, and carry three hours' credit for each session. Students thus are able to complete one full term of work in each course in seven and one-half weeks, or a full academic year in a six-credit course in fifteen weeks.

In addition, a program of basic or introductory courses is offered in a full summer term of fifteen weeks, usually meeting only three times a week as in the regular fall and winter terms. This program is designed for those students whose schedule of study or employment makes it inconvenient to attend the University every day. Classes are scheduled both during the day and in the early evening. This full term of normal-rate work begins on Monday, June 5 and ends on Friday, September 15.

THE PROFESSIONAL SCHOOLS

The School of Medicine

Three complete terms of regular instruction are offered during the academic year. The next class will be admitted September 18, 1944. Details of this program may be obtained from the Office of the Dean of The School of Medicine.

The Law School

Two sessions of instruction, together constituting a full term of sixteen weeks, are offered during the summer. The first session begins Monday, June 5, 1944 and ends Saturday, July 29. The second session begins Monday, July 31 and ends Saturday, September 23. Details may be obtained from the Office of the Dean of The Law School.

The School of Engineering

One full term of instruction, corresponding in length and content to the regular fall and winter terms, is offered during the summer. This term begins Monday, June 5, 1944 and ends Friday, September 15. Details of this program may be obtained from the Office of the Dean of The School of Engineering.

The School of Education

Professional courses are offered in the evening in two sessions during the summer. The first begins Monday, June 5, 1944 and ends Wednesday, July 26. The second session begins Thursday, July 27 and ends Friday September 15. Undergraduate classes meet for double periods three evenings each week. Graduate classes meet only two evenings each week. In addition, a session of six weeks is offered for teachers who are not employed during the summer, beginning Wednesday, July 5 and ending Friday, August 11. Courses are scheduled in the daytime and confined to subjects of an advanced and professional nature. Details may be obtained from the Office of the Dean of The School of Education.

The School of Government

The dates of the sessions and the schedule of classes follow the same plan as in the liberal arts program.

The fall term opens October 2, thus affording a vacation period between the closing of the summer term and the opening of the fall term.

TUITION CHARGES AND FEES

For each hour of credit carried by courses announced in the Summer Sessions the tuition charge is \$8.00, except that tuition in the School of Medicine and in the Graduate Council is charged on a term basis. Other fees, such as the general University fee and laboratory fees, are itemized in a complete Summer Sessions announcement.

COURSES OF INSTRUCTION

Courses are offered in the following departments and general subjects:

Accounting	French
Botany	German
Business Administration	History
Chemistry	Law
Economics	Mathematics
Education:	Medicine
Elementary	Philosophy
Secondary	Physics
Engineering:	Political Science
Civil Engineering	Psychology
Electrical Engineering	Sociology
Industrial Management	Spanish
Marine Engineering	Speech
Mechanical Engineering	Statistics
Naval Architecture	Zoology
English:	
Composition	
American Literature	
English Literature	

A complete announcement of the Summer Sessions may be obtained after March 15 from the Office of the Director of Admissions, Building C, 2029 G Street NW., Washington 6, D.C. NAtional 5200.

THE
GEORGE
WASHINGTON
UNIVERSITY

BULLETIN

THE LAW SCHOOL

SUMMER TERM 1944



WASHINGTON, D. C.

1944

THE LAW SCHOOL SUMMER TERM

THE FACULTY

William Cabell Van Vleck, A.B., LL.B., S.J.D., *Dean of the Law School*

Charles Sager Collier, A.B., LL.B., S.J.D., *Professor of Law*

Hector Galloway Spaulding, B.S., LL.B., S.J.D., *Professor of Law*

Saul Chesterfield Oppenheim, A.M., J.D., S.J.D., *Professor of Law*

Earl Caspar Arnold, A.B., LL.B., LL.D., *Visiting Professor of Law*

Millard Breckenridge, Ph.B., LL.B., *Visiting Professor of Law*

CALENDAR

The sixteen-week summer term is divided into two sessions of eight weeks each. Classes in the first session will begin Monday, June 5, and end Thursday, July 27. Examinations will be held Friday and Saturday, July 28 and 29. Classes for the second session will begin Monday, July 31, and end Thursday, September 21. Examinations will be held Friday and Saturday, September 22 and 23.

ACADEMIC AND RESIDENCE CREDIT

The summer term is a regular part of the work of the school. Credit, both academic and residence, is given for subjects completed by qualified students.

Four hours of credit may be earned in each session.

CHANGED ADMISSION REQUIREMENTS

For the duration of the present national emergency students will be admitted to regular standing who present scholastic records showing the satisfactory completion of not less than one-half of the work required for graduation from an approved college.

Students in regular standing in other approved law schools may be admitted as unclassified students for the summer term only.

Qualified students are permitted to begin the study of Law in either session of the summer term.

REGISTRATION

Students will be registered only when proper credentials have been filed and approved. The preregistration period is from Monday, May 8, through Saturday, June 3. The registration days are Monday, June 5, for the first session; Monday, July 31, for the second session. A late-registration fee of \$5 will be charged students registering after the stated registration days.

FEES

Fees are as follows: University fee for each session, \$4; tuition fee, for each term hour, \$8; late-registration fee, \$5; reinstatement fee, \$5.

Fees for each session are payable in advance at the beginning of the session. No refund of fees can be granted because of withdrawal during a session or because of absence from classes. A student who is compelled to withdraw before the end of a session should notify the Dean of the Law School in writing as promptly as possible.

HOURS OF INSTRUCTION

Classes are held in the evening from 6:20 to 8:00 P.M.

COURSES OF INSTRUCTION

(First-year courses, 101-100; second-year courses, 201-300; third-year courses, 301-400.
Graduate students may take third-year courses not already completed.)

FIRST SESSION

- 111 *Contracts I* (4) Spaulding
Williston, Cases on Contracts, 4th ed., Monday through
Thursday, 6:20 to 8:00 P.M.
- 245 *Negotiable Instruments* (4) Oppenheim
Britton, Cases on Negotiable Instruments, Monday
through Thursday, 6:20 to 8:00 P.M.
- 351 *Public Utilities* (4) Collier
Robinson, Cases on Public Utilities, Monday through
Thursday, 6:20 to 8:00 P.M.

SECOND SESSION

- 101 *Agency* (4) Breckenridge
Mechem, Cases on Agency, Monday through Thursday,
6:20 to 8:00 P.M.
- 262 *Security Transactions* (4) Arnold
Sturges, Cases on Security Transactions, Monday through
Thursday, 6:20 to 8:00 P.M.
- 316 *Conflict of Laws* (4) Van Vleck
Cheatham, Dowling, Goodrich and Griswold, Cases on
Conflict of Laws, Monday through Thursday, 6:20 to
8:00 P.M.

THE SUMMER SESSIONS

1944

THE
GEORGE
WASHINGTON
UNIVERSITY
BULLETIN

VOL. XLIII

No. I

THE SUMMER SESSIONS

WASHINGTON, D. C.

PUBLISHED IN FEBRUARY
MCMXLIV

BY THE UNIVERSITY

THE SUMMER SESSIONS

THE UNIVERSITY IN THE NATIONAL EMERGENCY

The George Washington University is continuing the accelerated program adopted in 1942. By taking advantage of this opportunity for intensive study, the student may accomplish in the summer the work of a full term and, by continuous attendance, may complete a four year college program in two and two-thirds years.

Students who expect to graduate from high school in June and wish to attend the first summer session, which opens before their high schools have closed, should consult their high school advisers and the Director of Admissions of the University.

The University is cooperating with the War and Navy departments in their college training programs and is prepared to advise students concerning their preinduction training. Full information concerning these and other training programs may be obtained in the Office of the Junior College.

Under special guidance, students entering the University will be assisted to plan their study so that, should it be necessary for them to enter the armed forces, the civilian public service, or a war-production industry before they are graduated, they will be better prepared to make their contribution to the war effort.

ADDITIONAL COURSES

The University wishes to adjust its courses to the changing times. New courses will be offered as the need arises. Students who need training in fields in which courses are not listed are advised to consult with the deans of the colleges in which they are registered.

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IN ALL COLLEGES, SCHOOLS, AND DIVISIONS EXCEPT THE
SCHOOLS OF MEDICINE* AND LAW

Date	Day	Occasion
May 8-June 3.....		Preregistration period for the Summer Sessions
June 5.....	Monday	Registration for the first session First session classes begin
July 4.....	Tuesday	Independence Day. Holiday
July 5.....	Wednesday	Registration for special six weeks' session in the School of Education
July 26.....	Wednesday	First session ends †
July 27.....	Thursday	Registration for second session Second session classes begin
Aug. 15	Tuesday	Special six weeks' session in the School of Education ends
Sept. 4	Monday	Labor Day. Holiday
Sept. 11-27		Preregistration period for the fall term
Sept. 15	Friday	Second session ends
Sept. 28	Thursday	Fall-term registration for new students
Sept. 29-30	Friday and Saturday	Fall-term registration for former students

Date	Day	Occasion
May 8-June 3.....		Preregistration period for the Summer Sessions
June 5.....	Monday	First session begins
July 4.....	Tuesday	Independence Day. Holiday
July 29.....	Saturday	First session ends
July 31.....	Monday	Second session begins
Sept. 4	Monday	Labor Day. Holiday
Sept. 11-27		Preregistration period for the fall term
Sept. 23	Saturday	Second session ends
Sept. 28	Thursday	Fall-term registration for new students
Sept. 29 and 30	Friday and Saturday	Fall-term registration for former students

* For the Medical School calendar, see the catalogue of the School of Medicine.

† Courses in engineering and certain courses in the arts and sciences extend over one unbroken term of fifteen weeks.

THE UNIVERSITY

THE BOARD OF TRUSTEES

The Board of Trustees of the University is composed of the President of the University ex officio and the following persons by election:

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Alfred Henry Lawson, LL.B.
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*Alexander Wilbourne Weddell, LL.B., Litt.D., LL.D.
Chester Wells, B.S., Graduate
United States Naval War College
Lloyd Bennett Wilson

*Nominated by the Alumni.

OFFICERS OF ADMINISTRATION

THE UNIVERSITY

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 Harold Griffith Sutton, M.S., *Director of Admissions*
 Fred Everett Nessel, A.B., *Registrar; Secretary of the Faculties*
 John Russell Mason, B.S. in L.S., A.M., *Librarian*
 *Mitchell Dreese, Ph.D., *Dean of the Summer Sessions*
 Myrna Pauline Sedgwick, A.B., *Administrative Secretary*
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 Allen Howard Connolly, B.S., *Business Manager*
 *Daniel LeRay Borden, A.M., M.D., *Director of Health Administration*
 Benjamin Franklin Dean, Jr., M.S., M.D., *Acting Director of Health Administration*
 Vinnie Giffen Barrows, A.M., *Director of Personnel Guidance*
 *Claud Max Farrington, A.M., *Adviser on Physical Education*
 Lester Allan Smith, A.M., *Alumni Secretary*

THE COLLEGES, SCHOOLS, AND DIVISIONS

William Crane Johnstone, Jr., Ph.D., *Dean of the Junior College*
 *Henry Grattan Doyle, A.M., *Dean of Columbian College*
 Robert Whitney Bolwell, Ph.D., *Chairman of the Graduate Council*
 Walter Andrew Bloedorn, A.M., M.D., *Dean of the School of Medicine*
 William Cabell Van Vleck, A.B., LL.B., S.J.D., *Dean of the Law School*
 Frederick Morris Feiker, B.S. in E.E., D.Eng., *Dean of the School of Engineering*
 *William Paul Briggs, M.S., *Dean of the School of Pharmacy*
 James Harold Fox, A.M., Ed.D., *Dean of the School of Education*
 _____, *Dean of the School of Government*
 Elmer Louis Kayser, Ph.D., *Dean of University Students; University Marshal*
 Sidney Bartlett Hall, A.M., Ed.D., *Director of the Division of Extension*
 Warren Reed West, Ph.D., *Assistant Dean of the School of Government*
 Christopher Browne Garnett, Jr., Ph.D., Litt.D., *Assistant Dean of Columbian College*
 Donnell Brooks Young, Ph.D., *Assistant Dean in the Junior College*
 Katharine Rogers Adams, Ph.D., *Assistant Dean in the Junior College*
 Alan Thomas Deibert, A.M., *Assistant Dean in the Junior College, Adviser to Students from Foreign Countries*
 George Howland Cox, *Director of the Inter-American Center*
 *John Rust Busick, A.B., *Director of Athletics*
 Ruth Harriet Atwell, A.M., *Director of Physical Education for Women*

* On war leave 1943-44

THE UNIVERSITY

HISTORY AND ORGANIZATION

The idea of a university in the Capital of the Nation was sponsored by George Washington, who during his public life urged the establishment of such an institution and who in his will left fifty shares of stock in the Potomac (Canal) Company for the endowment of a university to be established in the District of Columbia "to which the youth of fortune and talents from all parts thereof might be sent for the completion of their Education in all the branches of polite literature;—in arts and Sciences,—in acquiring knowledge in the principles of Politics & good Government".

Columbian College in the District of Columbia was chartered by an act of Congress of February 9, 1821. In 1873 the name was changed to "Columbian University" and in 1904 to "The George Washington University".

The University as it is now organized consists of the Junior College, comprising the work of the freshman and sophomore years; Columbian College, the senior college of liberal arts, which offers work leading to the Bachelor's and Master's degrees; the Graduate Council, which offers work leading to the degree of Doctor of Philosophy; the professional schools, which include Medicine, Law, Engineering, Pharmacy, Education, and Government; the Division of University Students, which leads to no degree but makes the work of the University accessible to the mature student; the Division of Extension; and the Inter-American Center.

ACADEMIC STATUS

The George Washington University is on the approved list of the Association of American Universities, the standard accrediting body for the United States. This fact not only assures to students the academic standards of this accrediting body, but also is important to those who desire to transfer credits from one institution to another.

The University is also accredited by its regional accrediting agency, the Middle States Association of Colleges and Secondary Schools, and is on the approved list of the American Association of University Women.

The Law School is a charter member of the Association of American Law Schools and is approved by the Council of Legal

Education of the American Bar Association. The School of Medicine is a member of the Association of American Medical Colleges, and is one of the medical colleges which have been designated continuously as "class A" by the American Medical Association. The School of Pharmacy is accredited by the American Council on Pharmaceutical Education and is a member of the American Association of Colleges of Pharmacy. The School of Engineering is on the accredited list of the Engineers' Council for Professional Development.

LOCATION

The George Washington University is in downtown Washington, four blocks west of the White House and east of the Potomac River with its extensive parkway. Within a few blocks are the buildings housing the offices of many of the departments of the Government, including the Department of State, the Department of the Treasury, the Department of War, the Department of Justice, the Department of the Navy, the Department of the Interior, the Department of Agriculture, the Department of Commerce, and the Department of Labor. The Corcoran Gallery of Art, the Pan American Union Building, and the National Academy of Sciences are also near by; and the Capitol and the Library of Congress are readily accessible.

EDUCATIONAL FACILITIES

Buildings, grounds, and equipment of the University are valued at over \$6,000,000. The buildings of the colleges, schools, and divisions offering Summer Sessions work are in the vicinity of Twenty-first and G Streets NW., except for the School of Medicine which is at 1335 H Street NW.

The University Library.—The University Library contains more than 150,000 volumes, and with the exception of the law and medical collections is housed in the modern six-story Library building.

Regulations governing the use of the library: the circulation of books, and the use of reserve books and periodicals are available at the service desks of the Library.

OTHER LIBRARY FACILITIES IN WASHINGTON

The student has access also to the Library of Congress; the Public Library of the District of Columbia and its branches; the Library of the Carnegie Endowment for International Peace; the Library of the Pan American Union; the Library of the Bureau of

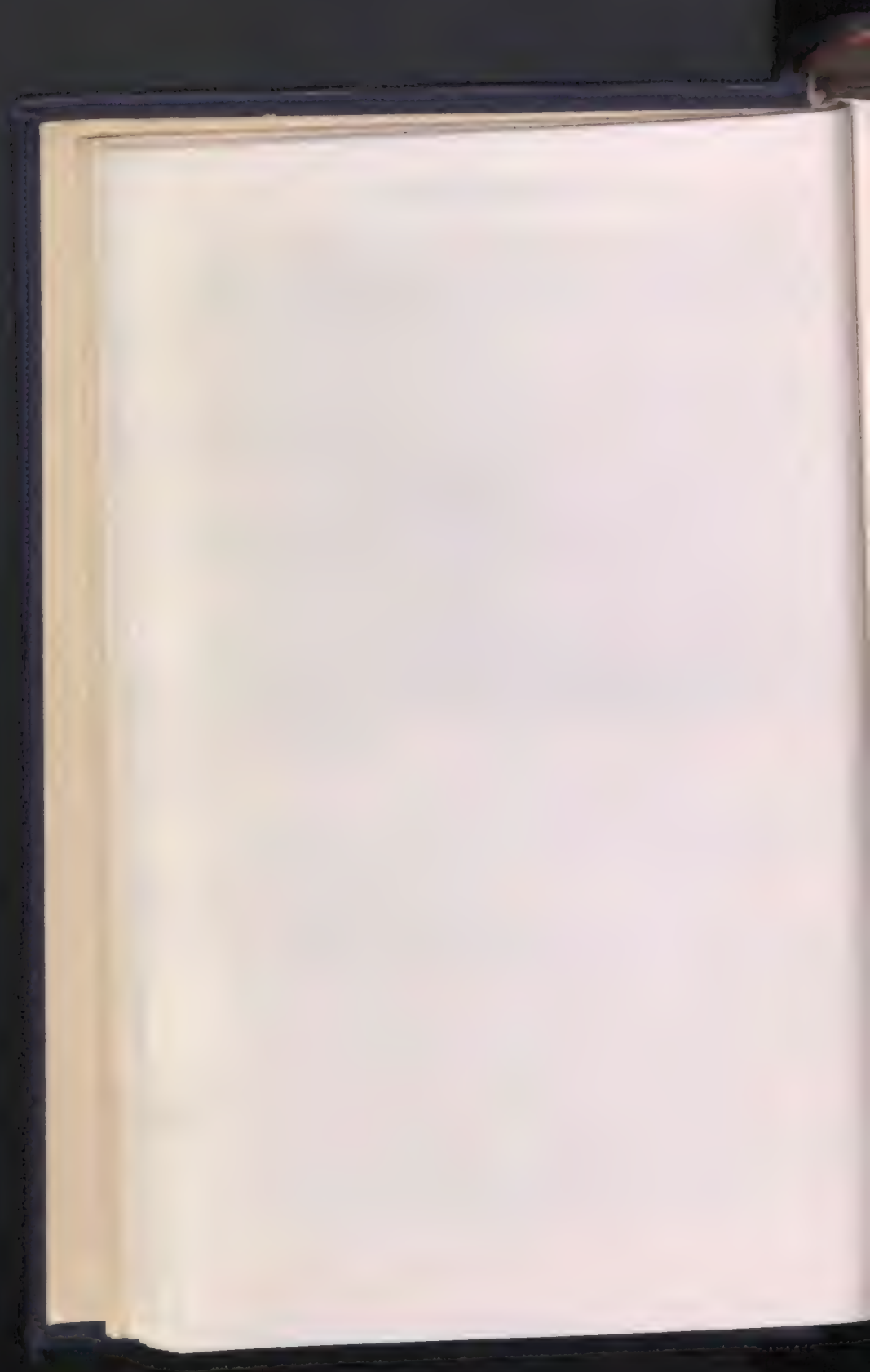
Railway Economics; the Library of the United States Department of Agriculture, with its scientific departmental collections; the Library of the United States Office of Education; the Army Medical Library; the Library of the Smithsonian Institution; and many other great special collections of the government departments.

RESEARCH FACILITIES OF WASHINGTON

The arrangement of the summer schedule of classes permits the full-time student to avail himself of the opportunity to study, at first hand, the working of the Federal Government and so to form a background for intelligent and useful citizenship.

In the departmental libraries of the Federal Government are a multitude of reports made by eminent specialists in all fields of science on the results of study and research in the bureaus, experimental stations, laboratories, museums, and observatories of the Nation.

In addition to the governmental collection the student has access to the research facilities of such scientific and educational groups, whose headquarters are situated in Washington, as the Carnegie Institution, the American Council on Education, the National Academy of Science, the National Research Council, the National Education Association, and the National Geographic Society.



THE SUMMER SESSIONS
1944

STAFF OF INSTRUCTION IN THE SUMMER SESSIONS

- Katharine Rogers Adams, Ph.D., *Lecturer in English*
 Antonio Alonso, A.M., *Assistant Professor of Spanish*
 Alfredo Baños, Civil and Military Eng., *Associate in Spanish*
 Robert Whitney Bolwell, Ph.D., *Professor of American Literature*
 Thomas Benjamin Brown, Ph.D., *Professor of Physics*
 Arthur Edward Burns, Ph.D., *Adjunct Professor of Economics*
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 Alan Thomas Deibert, A.M., *Associate Professor of Romance Languages*
 Lydia Driggs, A.M., *Associate in Spanish*
 Jose Edmundo Espinosa, Ph.D., *Lecturer on Spanish-American Literature*
 James Harold Fox, A.M., Ed.D., *Professor of Education*
 George Antony Gamow, Physics D., *Professor of Theoretical Physics*
 Christopher Browne Garnett, Jr., Ph.D., Litt.D., *Associate Professor of*
 Philosophy
 Sidney Bartlett Hall, A.M., Ed.D., LL.D., *Professor of Education*
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 Florence Everett Hooper, Ph.D., *Assistant Professor of Chemistry*
 Averett Howard, A.M., *Instructor in English*
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 William Crane Johnstone, Jr., Ph.D., *Professor of Political Science*
 Elmer Louis Kayser, Ph.D., *Professor of European History*
 Ralph Dale Kennedy, Ph.D., *Professor of Accounting and Business Ad-*
 ministration
 Peyton Armstrong Kerr, Ph.D., *Associate in Economics*
 Wolfram Karl Legner, Ph.D., *Assistant Professor of German*
 Colin Mackenzie Mackall, Ph.D., *Professor of Chemistry*
 Carolyn Lehman McGowan, A.M., *Lecturer in Psychology*
 Florence Marie Mears, Ph.D., *Associate Professor of Mathematics*
 James Allen Nolan, Ph.D., *Lecturer in Sociology*
 Richard Norman Owens, Ph.D., C.P.A., *Professor of Accounting and*
 Business Administration
 Merle Irving Protzman, Ph.D., *Professor of Romance Languages*

- Lowell Ragatz, Ph.D., *Professor of European History*
Gretchen Louisa Rogers, Ph.D., *Assistant Professor of German*
Edward Henry Sehart, Ph.D., *Professor of German*
Ernest Sewall Shepard, A.M., *Associate Professor of English*
Audley Lawrence Smith, Ph.D., *Associate Professor of English*
James Henry Taylor, Ph.D., *Professor of Mathematics*
John Albert Tillema, Ph.D., LL.M., S.J.D., *Associate Professor of
Political Science*
Fred Salisbury Tupper, Ph.D., *Associate Professor of English*
Maurice Hart Van Horn, Ph.D., *Associate Professor of Chemistry*
Rae Potter Vaughn, A.M., *Associate in Romance Languages*
Harry Redcay Warfel, Ph.D., *Visiting Professor of American Literature*
Donald Stevenson Watson, Ph.D., *Associate Professor of Economics*
Frank Mark Weida, Ph.D., *Professor of Statistics*
Warren Reed West, Ph.D., *Professor of Political Science*
Earl Larkin Williams, A.M., *Associate in Mathematics*
Samuel Nathaniel Wrenn, Ph.D., *Associate Professor of Chemistry*
Willard Hayes Yeager, A.M., *Depew Professor of Public Speaking*
Lawson Edwin Yocum, Ph.D., *Associate Professor of Botany*
John Martin Yoklavich, A.M., *Instructor in English*
Donnell Brooks Young, Ph.D., *Professor of Zoology*

THE SUMMER SESSIONS

The work of the Summer Sessions has been planned to meet the needs of full- and part-time students; of those who are accelerating the college work in an effort to complete the course before induction into the armed service; and of those who, because of the pressure of employment are unable to attend classes daily.

Students may enter the Summer Sessions at the beginning of any one of the sessions.

Courses scheduled for the first and for the second session meet daily from Monday through Friday for a period of seven and one-half weeks. During each session the work of a regular term of the academic year is completed.

Courses scheduled for the fifteen-week term meet on the normal-term basis—in most cases, three times a week. During the fifteen weeks the work of a regular term of the academic year is completed.

Courses in the special six-week session of the School of Education meet daily from Monday through Friday.

ADMISSION

A student desiring admission must obtain from the Office of the Director of Admissions an application blank which he must fill out completely and return to the Office of the Director of Admissions.

Entrance requirements are stated in this bulletin under the various colleges, schools, and divisions. Further details may be obtained from the Director of Admissions.

To insure prompt action, applications for the Summer Sessions should be filed as early as possible. (See page 55.)

METHODS OF ADMISSION

For the Student Seeking a Degree

An applicant from a secondary school must send the high school record form furnished by the University to his high school principal, with the request that the principal fill out the form and mail it direct to the Office of the Director of Admissions.

An applicant who has previously attended an institution of higher learning should request the registrar of that institution to mail direct to the Office of the Director of Admissions a transcript of his record. If he has attended more than one such

institution he must request the registrar of each institution to send to the Office of the Director of Admissions a transcript of his record, even though credits were not earned, together with an honorable dismissal.

For the Student Not Seeking a Degree

The student in this group must obtain the approval of the Dean of the Division of University Students.

REGISTRATION

Before a student may register he must have satisfied the Office of Admissions that he is qualified for entrance to the University.

A student previously matriculated in the University but not in attendance during the term preceding this registration must file an application for readmission in advance of registration.

TIME AND PLACE OF REGISTRATION

For the convenience of students, preregistration is provided. Beginning May 8, students may obtain registration forms, between 9:00 A.M. and 8:00 P.M., at the Office of the Registrar, Building C, 2029 G Street NW.

Registration, except in the Law School, will be conducted in the Hall of Government, 710 Twenty-first Street NW, from 2:00 to 8:00 P.M., Monday, June 5, for the first session; Thursday, July 27, for the second session.

Registration in the Law School will be conducted in Stockton Hall from 2:00 to 8:00 P.M., Monday, June 5, for the first session; Monday, July 31, for the second session.

LATE REGISTRATION

A fee of \$5 will be charged for all registrations after the stated registration day. Registration for credit closes one week after the registration day.

CHANGE IN REGISTRATION

Change in registration may be made only with the permission of the adviser or major professor and the dean or director of the college, school, or division concerned.

FEEES AND FINANCIAL REGULATIONS

By authorization of the Board of Trustees, the following fees have been adopted, effective at the beginning of the Summer Sessions of 1944.

UNIVERSITY FEE

For each session or any part thereof*	
For the student registered for credit.....	\$4.00
For the auditor†.....	2.00

TUITION FEES

For each credit hour.....	8.00
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ADDITIONAL FEES AND DEPOSITS

Additional fees and deposits, such as laboratory and material fees and breakage deposits, are charged in certain courses as indicated in the course descriptions. Such fees are due with the tuition fee for the course. Breakage of apparatus is charged against the individual student, and the amount of breakage deposit paid in excess of actual breakage will be credited to the student's account at the end of the course.

SPECIAL FEES

Late registration fee, for failure to register within the designated period	5.00
Service fee, for late payment of tuition (see "Payment of Fees").....	1.00
Reinstatement fee, for reinstatement after suspension for delinquency in fees	5.00
For examinations to qualify for advanced courses, and for all special examinations, for each subject.....	5.00

UNIVERSITY FEE

Payment of the University Fee covers all expenses incident to registration and, in addition, secures to each student in the Summer Sessions the following University privileges: (1) the issuance of three certified transcripts of record, if and when desired; (2) the use of the University library facilities, except as otherwise designated; (3) summer issues of the student newspaper; (4) medical and hospital services described below. These privileges, with the exception of the issuance of transcripts, cease when the student withdraws or is dismissed from the University.

Medical and Hospital Services.—These services include: (1) three visits by the University physician or surgeon, office or residence (District of Columbia) in any one illness, exclusive of a specialist, surgical operation, laboratory, or X-ray examinations; (2) hospitalization, including board, medicine, and nursing in the University Hospital for not more than two weeks during a school year—the necessity to be determined by the Director of Health Administration. The duration of hospitalization period (maximum, two weeks) is also to be determined by the Director of Health Administration.

The student is allowed, if he so desires, to engage physicians and

* Students registered for only those courses which extend over a single period of fifteen weeks must pay a University fee of \$8.

† Payment of this fee does not entitle auditors to the general privileges to which payment of the preceding fee entitles resident students.

nurses of his own choice, but when he does so he will be responsible for the fees charged.

This medical benefit does not apply to illness or disability incurred previous to the University term or prior to payment of the University registration fee.

PAYMENT OF FEES

All fees are payable at the Office of the Cashier, 725 Twenty-first Street NW. No student is permitted to complete registration or to attend classes until all fees are paid. Fees for each session are due in advance at the time of registration.

In exceptional cases, subject to the approval of the Comptroller, the student may sign a contract for the fees for courses which extend throughout one unbroken fifteen-week term, permitting three payments as follows: one-third plus the University fee and deposits at the time of registration, one-third on July 10, and one-third on August 14. The student whose fees are paid between July 11 and July 14, and between August 15 and August 18 is charged a service fee of \$1.00. A student who fails to make these payments by July 14 and August 18 will be suspended and may not attend classes until he has been officially reinstated and has paid all accrued fees and a reinstatement fee of \$5. A suspended student may not be reinstated for the session after one week from the date of suspension. Applications for reinstatement are to be made to the dean of the college or school or the director of the division in which the student is registered.

An auditor pays a University fee of \$2.00 a session and all other fees chargeable to the student registered for credit except the late-registration fee.

WITHDRAWALS AND REFUNDS

Registrations, except for courses which extend throughout one unbroken term of fifteen weeks, are for the session, and no refunds or rebates are allowed, unless the registration is in advance and the course is dropped before the day of registration for the session involved.

If notice of withdrawal or change in schedule involving courses which extend over an unbroken term of fifteen weeks is received by the dean of the college or school or the director of the division concerned on or before July 7, the second payment will be cancelled or adjusted. If notice of withdrawal or change of schedule is received on or before August 11, the third payment will be cancelled or adjusted. Notice to an instructor is not acceptable notice.

In no case will the University fee or any part of the initial payment of tuition be refunded because of nonattendance upon classes.

Payments apply only to the session or term for which registration charges are incurred and in no case will these payments be credited to another session or term.

A student granted "war leave" during a term will be credited with tuition payments made prior to the granting of such leave, which credit will be applicable toward a subsequent registration.

Any student in chemistry who fails to check out of the laboratory on or before the date set by the instructor, unless excused by the instructor, shall forfeit the balance of his deposit. A student dropping a course before the end of the session or term must **check out of the laboratory at once.**

No permission to withdraw and no certificate for work done will be given a student who has not a clear financial record.

As the fiscal year of the University ends on August 31, no requests for refunds can receive consideration after that date.

STUDENT LIFE

SOCIAL AND RECREATIONAL PROGRAM OF THE UNIVERSITY

Provision is made for the social and recreational side of student life during the Summer Sessions. The Annual Summer Sessions Party opens the season and is followed by the Starlight Dances each Friday evening on the Lisner Terrace. Teas are arranged so that new students will have a chance to become acquainted with their fellow students.

The city of Washington affords a variety of recreational opportunities. Wooded trails for hiking, riding, and picnicking wind through Rock Creek Park.

The National Symphony Orchestra presents a series of weekly concerts at the nearby Potomac Watergate.

LIVING ACCOMMODATIONS

Application for room reservations should be made well in advance. Forms for application, together with detailed information may be obtained from the Director of Personnel Guidance.

The prices stated below are subject to change without notice.

Women Students.—The Hattie M. Strong Residence Hall: single rooms with breakfast and dinner are \$52.50 a month; double rooms with the same service are \$45.50 a month a person.

Staughton Residence Hall: single rooms are \$24 a month; double rooms are \$17 a month a person.

UNIVERSITY REGULATIONS

Academic Credit.—The Summer Sessions are an integral part of the University. Academic credit for completed work will be given toward the appropriate degrees in the various colleges and schools of the University in accordance with their separate regulations and requirements.

Residence.—Summer Sessions work may be counted in residence but the candidate for a degree must satisfy the residence requirements of the school or college concerned as stated in the general catalogue.

Amount of Work.—No full-time student may take more than nine credit hours of work during either session; no employed student, more than six hours. By carrying work in both sessions, a full-time student may earn as much as eighteen credit hours; an employed student, twelve hours.

Any exception to these general regulations must be approved by the dean or director of the college, school, or division concerned.

The right is reserved to drop any student whenever, in the interest of the student or the University, the Faculty deems it advisable to do so.

The University is not responsible for the loss, in any University building, of personal property belonging to a student.

The University and its various colleges, schools, and divisions reserve the right to modify or change the requirements, rules, and fees of the University. Such regulations shall go into force whenever the proper authorities may determine and shall apply to every student of the University.

Detailed information concerning admission; scholarship requirements of the individual colleges, schools, and divisions; and requirements for degrees may be obtained from the general catalogue, which is available on request at the Office of the Director of Admissions.

THE COLLEGES, SCHOOLS, AND DIVISIONS

THE COLLEGES, SCHOOLS, AND DIVISIONS

Information concerning specific requirements for certificates and degrees is omitted from this bulletin. For such information, the student is referred to the general catalogue.

THE JUNIOR COLLEGE

The Junior College includes the first two years of college work. Its curricula are intended to continue the studies of a general cultural nature begun in secondary school, and to lay a foundation for the more specialized work which is to follow.

The Junior College also provides the preprofessional work required for admission to the schools of Medicine, Law, Pharmacy, Education, and Government.

In addition it provides a two-year terminal curriculum in Secretarial Studies and a two-year terminal curriculum in Accounting for students who wish strictly vocational training in these subjects.

THE CERTIFICATE

The Junior College offers work leading to the Junior Certificate.

ENTRANCE REQUIREMENTS

An acceptable certificate of graduation from an accredited secondary school is required. The acceptability of the certificate depends upon the student's character and the quality of his work.

COLUMBIAN COLLEGE

Columbian College, the senior college of liberal arts and sciences, comprises the work of the junior and senior years and the Master of Arts and Master of Science disciplines.

THE DEGREES

Columbian College offers work leading to the following degrees: Bachelor of Arts, Bachelor of Science, Master of Arts, and Master of Science.

In cooperation with the School of Medicine, Columbian College offers work leading to the combined degrees of Bachelor of Arts and Doctor of Medicine.

In cooperation with the Law School, Columbian College offers work leading to the combined degrees of Bachelor of Arts and Bachelor of Laws.

ENTRANCE REQUIREMENTS

For the Bachelor's Degrees.—A Junior Certificate based on the appropriate curriculum in the Junior College, or the equivalent, is required. Scholarship requirements may be somewhat higher than those for graduation from the Junior College.

For the Master's Degrees.—An approved Bachelor's degree from an accredited institution and a transcript of studies previously pursued, showing a superior quality of work in the major field, are required.

THE GRADUATE COUNCIL

The Graduate Council offers work leading only to the degree of Doctor of Philosophy. Because the basis for work under the Graduate Council is primarily creative research, regular study in specific courses is considered quite incidental and is therefore not emphasized in connection with the curricula of the Summer Sessions. A student wishing to work under the disciplines of the Graduate Council will consult the Chairman of the Graduate Council for information concerning credentials and candidacy.

THE SCHOOL OF MEDICINE

The George Washington University School of Medicine, recognizing the urgent need for medical services during the war period, has reorganized its course to permit the completion of the customary four academic years in three calendar years. Each academic year will be composed of two terms totaling thirty-six weeks.

A new class will be admitted every other term. The next class will enter in September 1944. For specific information, see the catalogue of the School of Medicine.

THE LAW SCHOOL

The Law School conducts an accelerated program to enable students better to meet national defense needs. For specific information, see the catalogue of the Law School.

THE SCHOOL OF ENGINEERING

The School of Engineering has accelerated its program by the addition of a full third summer term of fifteen weeks.

A complete schedule of courses will be offered in work leading to the degrees of Bachelor of Civil Engineering, Bachelor of Electrical Engineering, Bachelor of Mechanical Engineering, and

Bachelor of Science in Engineering. For specific information, see the special bulletin of the School of Engineering.

THE SCHOOL OF EDUCATION

The School of Education prepares teachers, supervisors, and administrators for educational service and offers opportunities to teachers of experience to extend their education. The schedule of courses is arranged to meet the needs of employed students as well as those able to devote full time to their studies. It offers both graduate and undergraduate work.

THE DEGREES

The School of Education offers work leading to the following degrees: Bachelor of Arts in Education, Bachelor of Science in Home Economics, Bachelor of Science in Physical Education, Master of Arts in Education, and Doctor of Education.

ENTRANCE REQUIREMENTS

For the Bachelor's Degree.—The satisfactory completion of two years of approved college work, or graduation from an approved two-year normal school, or the equivalent, is required.

For the Master's Degree.—A Bachelor's degree from an accredited college, or the equivalent, and the approval of the Committee on Admissions and Advanced Standing are required.

For the Doctor's Degree.—A Master's degree from an accredited college, or the equivalent, and the approval of the Faculty of the School of Education are required.

THE SCHOOL OF GOVERNMENT

THE DEGREES

The School of Government offers work leading to the following degrees: Bachelor of Arts in Government with a major in Public Affairs, Foreign Service, Foreign Commerce, Public Administration, Business Administration, Public Finance, Public Accounting, or Business and Government Statistics; and Master of Arts in Government with a major in the above fields and also in Public Personnel Administration.

ENTRANCE REQUIREMENTS

For the Bachelor's Degree.—The satisfactory completion of two years of approved college work, or the equivalent, is required.

For the Master's Degree.—An approved Bachelor's degree based on the proper training for the field selected by the student for graduate study.

THE DIVISION OF UNIVERSITY STUDENTS

The Division of University Students makes the work of the University, in its several colleges and schools, accessible to the mature student. A student registered in this Division is designated a "University student", as distinguished from the regularly matriculated undergraduate or graduate student who is a candidate for a degree.

ENTRANCE REQUIREMENTS

The student who is twenty-one years of age or over (or in special cases arising out of the national emergency, nineteen years or over) and who has not attended another institution within the year preceding his application to this University may register without filing records.

The student twenty-one years of age or over who has attended another institution within the year preceding application to this University must request a statement of good standing and honorable dismissal from the last institution attended.

The student under twenty-one years of age must submit complete and satisfactory credentials.

Transfer to Regular Status.—A "University student" may be transferred, at his request, to another college, school, or division of the University only upon complying with the regulations of the specific college, school, or division. The student should familiarize himself with the regulations concerning admission, residence, amount and quality of work. Specifically, he should note that in some cases not more than thirty (30) hours of credit may be transferred from this Division; that at least the last thirty (30) credit hours must be spent in residence in the college, school, or division preparing for the degree; and that a general quality-point index of 2.00 must be maintained, with an index of 2.50 in the major.

COURSES OF INSTRUCTION

COURSES OF INSTRUCTION

Courses are offered in the Junior College, Columbian College (the senior college), the School of Medicine,* the Law School,* the School of Engineering,* the School of Education, the School of Government.

In each of the accelerated sessions of seven and one-half weeks, classes meet Monday through Friday, unless otherwise indicated.

In the non-accelerated term of fifteen weeks, classes meet Monday, Wednesday, and Friday, unless otherwise indicated.

EXPLANATION OF COURSE NUMBERS

First-group courses, numbered from 1 to 100, are planned for the student in the freshman or sophomore year. With the approval of the adviser and the dean, they may also be taken by a junior or senior. In certain instances, they may be taken by a graduate student to make up undergraduate deficiencies or as prerequisite to advanced courses, but they may not be credited toward a higher degree.

Second-group courses, numbered from 101 to 200, are planned for the student in the junior or senior year. They may be credited toward higher degrees only when registration for graduate credit has been approved at the beginning of the course by the dean responsible for the graduate work and by the officer of instruction, and when the completion of additional work has been certified by the officer of instruction.

Third-group courses, numbered from 201 to 300, are planned primarily for the graduate student. They are open, with the approval of the officer of instruction, to the qualified senior; they are not open to the Junior College student.

Course numbers followed by the letter "S" indicate courses extending through one fifteen-week term.

INDICATION OF THE AMOUNT OF CREDIT

The number of hours of credit given for the satisfactory completion of a course is in most cases indicated in parentheses after the name of the course.

A credit hour represents one class hour or a minimum of two laboratory hours a week for a period of fifteen weeks.

* See special bulletin.

The University reserves the right to change or withdraw any of the courses of instruction listed below.

BOTANY

FIRST SESSION

- 1 *Structure and Function of the Flowering Plant* (3) Yocum
The typical plant as a working mechanism, with emphasis on the general biological significance of plant physiology. Material fee, \$4.50. Lecture and laboratory, Tues. through Fri., 11:10 A.M. to 1:00 P.M. (Room: C-405)

SECOND SESSION

- 2 *Survey of the Plant Kingdom* (3) Yocum
Study of the different kinds of plants with emphasis on the evolution of the plant kingdom; practice in identifying flowering plants. Material fee, \$4.50. Lecture and laboratory, Tues. through Fri., 11:10 A.M. to 1:00 P.M. (Room: C-405)

BUSINESS ADMINISTRATION

FIRST SESSION

- 51 *Principles of Accounting* (3) Kennedy
Principles and procedures of double-entry accounting with special reference to single proprietorships. 6:10 P.M. (Room: Gov. 201)
- 115 *Business Finance* (3) Kennedy
Survey of financial policies involved in new enterprises and study of capital structures, promotion, earnings, surplus, reorganization, and governmental regulation. 7:10 A.M. (Room: Gov. 202)
- 155 *Analysis of Financial Statements* (3) Kennedy
Technique of analyzing financial statements for the guidance of operating executives, directors, stockholders, and creditors; valuation of balance-sheet items; determination and interpretation of ratios. 7:10 P.M. (Room: Gov. 201)

SECOND SESSION

- 52 *Principles of Accounting* (3) Owens
Accounting principles applied to partnerships and corporations; the valuation problem. 6:10 P.M. (Room: Gov. 201)
- 101 *Business Organization and Control* (3) Owens
Simple and interrelated forms of business enterprise and their control by government. 7:10 A.M. (Room: Gov. 202)
- 102 *Business Management* (3) Owens
Organization and management of a business with particular reference to a manufacturing concern. 7:10 P.M. (Room: Gov. 201)

CHEMISTRY

FIRST SESSION

11 *General Chemistry* (4)

Hooper

For students who are beginning the study of chemistry and for those with high school chemistry who fail the qualifying examination in Chemistry 12. This course is the first half of a full course. The second half, Chemistry 12, must be completed before credit is allowed. Material fee,* \$9. Tues. through Fri., 9:10 A.M. to 1:00 P.M. (Room: Cor. 39)

21 *Inorganic Qualitative Analysis* (4)

Prerequisite: Chemistry 12. Required of all students of pharmacy and engineering, and recommended for premedical students. Material fee,* \$9. Tues. through Fri., 9:10 A.M. to 1:00 P.M. (Room: Cor. 34)

151 *Organic Chemistry* (4)

Mackall

Chemistry of the carbon compounds. Prerequisite: Chemistry 12; however, students are advised to take Chemistry 21 and 22 before entering this course. This course is the first half of a full course. The second half, Chemistry 152, must be completed before credit is allowed. Lecture (3), laboratory (1). Material fee,* \$9. Lecture: Mon., Wed., and Fri., 9:10 and 11:10 A.M. Laboratory: Tues. and Thurs., 10:10 A.M. to 1:00 P.M. (Room: Cor. 37)

297 *Research*

The Staff

Hours, credits, and fees to be arranged.

299 *Thesis* (3)

The Staff

Hours to be arranged. Material fee,* \$12.

SECOND SESSION

12 *General Chemistry* (4)

Hooper

Prerequisite: Chemistry 11 or high school chemistry and permission of the instructor. Material fee,* \$9. Tues. through Fri., 9:10 A.M. to 1:00 P.M. (Room: Cor. 39)

22 *Inorganic Quantitative Analysis* (4)

Prerequisite: Chemistry 21 or the equivalent. The principles of gravimetric and volumetric analysis. Material fee,* \$12. Tues. through Fri., 9:10 A.M. to 1:00 P.M. (Room: Cor. 34)

152 *Organic Chemistry* (4)

Mackall

Prerequisite: Chemistry 151. Chemistry of the carbon compounds. Lecture (2), laboratory (2). Material fee,* \$9. Lecture: Mon., Wed., and Fri., 9:10 and Wed., 11:10 A.M. Laboratory: Mon., Tues., Thurs., and Fri., 10:10 A.M. to 2:00 P.M. (Room: Cor. 37)

298 *Research*

The Staff

Hours, credits, and fees to be arranged.

* A breakage deposit of \$10, payable in advance, is required of the student registered for one or more chemistry courses requiring a material fee.

300 *Thesis* (3)

The Staff

Hours to be arranged. Material fee,* \$12.

FIFTEEN-WEEK TERM

12S *General Chemistry* (4)

Wrenn and Assistant

Prerequisite: Chemistry 11 or high school chemistry and permission of the instructor. Material fee,* \$9. Lecture: Tues. and Thurs., 10:10 A.M.; laboratory: Tues. and Thurs., 2:10 to 5:00 P.M. (Room: Cor. 35)

†111-12S *Physical Chemistry* (4-4)

Van Horn

Introduction to theoretical chemistry. Prerequisite: Chemistry 22; Mathematics 20; Physics 8. Material fee,* \$9 a term. Tues. through Fri., 8:10 A.M. to 12 M. (Room: Cor. 37)

156S *Qualitative Organic Analysis* (2)

Wrenn

The identification of pure organic compounds, the separation of mixtures, and the identification of their components. Prerequisite: Chemistry 22 and 152. Material fee,* \$12. Six hours a week of laboratory work to be arranged.

251S *Advanced Organic Chemistry* (3)

Wrenn

An introduction to the literature of organic chemistry: the study of the syntheses, reactions, and properties of carbon compounds; the fundamental theories of organic chemistry. Prerequisite: Chemistry 111-12 and 152. Open to the senior student with permission of the instructor. Mon., Wed., and Fri., 7:10 P.M. (Room: Cor. 37)

ECONOMICS

FIRST SESSION

1 *Introductory Economics* ‡ (3)

Kerr

Survey of the major economic institutions and economic problems in contemporary society.

Section A: 8:10 A.M. (Room: Gov. 2)

Section B: 6:10 P.M. (Room: Gov. 1)

102 *Development of Economic Thought* (3)

Burns

Economic doctrines since the mercantilist writers; the history of the major schools of thought; influence of changing problems on theory. 6:10 P.M. (Room: Gov. 301)

146 *Economic Security and Social Insurance* (3)

Burns

Economic and social problems of unemployment and destitution; analysis of the federal social security program; survey of the Beveridge and other plans for post-war social security. 7:10 A.M. (Room: Gov. 203)

* A breakage deposit of \$10, payable in advance, is required of the student registered for one or more chemistry courses requiring a material fee.

‡ Economics 1-2 is prerequisite to all other courses in economics.

170 *Economic Geography* (3)

The economics of natural resources, raw materials, staple crops, and location of industry. 7:10 P.M. (Room: Gov. 1)

SECOND SESSION

■ *Introductory Economics* * (3)

Watson

Continuation of Economics 1.

Section A: 8:10 A.M. (Room: Gov. 2)

Section B: 6:10 P.M. (Room: Gov. 1)

101 *Economic Theory* (3)

Watson

Introduction to formal economic theory; advanced analysis of demand, supply, and price relations. 7:10 A.M. (Room: Gov. 203)

105 *Economic Fluctuations: Business Cycles* (3)

Analysis of strategic factors in economic instabilities and economic retardation; survey of recent business cycle theories. 6:10 P.M. (Room: Gov. 301)

125 *Monetary Problems* (3)

Survey of monetary developments since the First World War, monetary policies in the 1930's, war finance, post-war monetary reconstruction. 7:10 P.M. (Room: Gov. 1)

EDUCATION

FIRST SESSION

137 *Teaching of Geography* (3)

Coyner

Role of geography in an air age; aims and objectives; organization of materials for work; critical examination of texts and other classroom equipment. Mon., Wed., and Fri., 7:10 to 8:50 P.M. (Room: Lis. 403)

156 *Secondary Education: The Junior and Senior High School* (3)

Jarman

Development; purpose; relation to elementary education; organization and administration; wartime changes; guidance; program of studies; community relationships. Mon., Wed., and Fri., 7:10 to 8:50 P.M. (Room: D-103)

173 *Adult Education* (3)

Jarman

Extent and organization; interests, needs, and capacities of adult learners; techniques employed in motivating and directing learning activities; review of recent literature. Conference hour: Tues. and Thurs., 6:10 P.M.; class 7:10 to 9:10 P.M. (Room: D-105)

* Economics 1-2 is prerequisite to all other courses in economics.

228 *Teaching Materials in the Elementary Grades* (3) Coyner

Critical examination of texts, visual and auditory aids, and other materials available to elementary school teachers. Laboratory and discussion. Conference hour: Tues. and Thurs., 6:10 P.M.; class: 7:10 to 9:10 P.M. (Room: Lis. 403)

Individual Study (3) The Staff

A limited number of students will be permitted to enroll on an individual study basis for the following courses regularly offered in the fall and winter terms:

- 138 Teaching the Social Studies
- 217 Contemporary Problems in Education
- 222 Early Childhood Education (Primary Grades)
- 251 Principles and Methods in the Senior High School

297 *Thesis* (3) The Staff

SECOND SESSION

109 *Learning and Teaching* (3) Hall

Psychological bases of teaching, including adolescent growth and development; caring for individual differences; mental hygiene in the classroom. Mon., Wed., and Fri., 7:10 to 8:50 P.M. (Room: D-103)

155 *Current Problems in Secondary Education* (3) Fox

Selection of problems will be determined by the interests and needs of the students. Review of recent literature and school practices. Conference hour: Mon. and Wed., 6:10 P.M.; class: 7:10 to 9:10 P.M. (Room: Lis. 403)

186 *The Home Room* (3) Fox

Functions in relation to orientation, guidance, student self-government, administrative routines, and special services. Students will assemble resource materials and plan programs for use in their local situations. Conference hour: Tues. and Thurs., 6:10 P.M.; class: 7:10 to 9:10 P.M. (Room: Lis. 403)

292 *Education Faces the Future* (3) Hall

Review of the impact of the war upon education on elementary, secondary, and adult levels; role of education in perpetuating and recreating the ideals and principles of democracy. Conference hour: Tues. and Thurs., 6:10 P.M.; class: 7:10 to 9:10 P.M. (Room: D-105)

Individual Study (3) The Staff

A limited number of students will be permitted to enroll on an individual basis for the following courses regularly offered in the fall and winter terms:

- 229 Administration and Supervision of Elementary Education
- 259 Administration of Secondary Education
- 272 The Teacher and School Supervision
- 273 Organization and Administration of a School System

298 *Thesis* (3) The Staff

SPECIAL SIX-WEEK SESSION

July 5 to August 16

- 206 *Instruction and the Curriculum* (3) Hall
Practical problems of revising instruction in terms of existing conditions—economic, social, and technological; aims, procedures, materials of instruction, and evaluation. Conference hours: Mon. and Fri., 10:30 A.M.; and Wed., 12:30 P.M.; class: Mon. through Fri., 11:30 A.M. to 12:30 P.M. (Room: D-105)

- 218 *Social Foundations of Education* (3) Jarman
Social forces that shape policies, subject-matter offerings, and limitations of the school; growth and development of present-day school practices in terms of cultural, social, economic, and political patterns. Conference hours: Mon. and Fri., 10:10 A.M., and Wed., 8:10 A.M.; class: Mon. through Fri., 9:10 to 10:10 A.M. (Room D-103)

- 227 *Contemporary Movements in Elementary Education* (3) Coyner
Survey of present practices throughout the United States; trends and their changing emphases; lessons to be learned from the war. Conference hours: Tues. and Thurs., 9:00 A.M., and Wed., 10:10 A.M.; class: Mon. through Fri., 8:00 to 9:00 A.M. (Room: Lis. 404)

- 271 *The Teacher and School Administration* (3) Fox
For teachers and prospective administrators. Administrative problems of concern to teachers; analysis of administrative procedures; teacher participation in school management; organization of public education—local, state, and federal. Conference hours: Tues. and Thurs., 9:20 A.M., and Wed., 11:20 A.M.; class: Mon. through Fri., 10:20 to 11:20 A.M. (Room: Lis. 404)

Individual Study (3) The Staff
A limited number of students will be permitted to enroll on an individual basis for the following courses regularly offered in the fall and winter terms:

- 109 Learning and Teaching
- 138 Teaching the Social Studies
- 173 Adult Education
- 217 Contemporary Problems in Education
- 222 Early Childhood Education (Primary Grades)
- 229 Administration and Supervision of Elementary Education
- 255 Current Problems in Secondary Education
- 259 Administration of Secondary Education

297-98 *Thesis* (3-3)

The Staff

ENGINEERING

Courses will be offered in Civil Engineering, Electrical Engineering, and Mechanical Engineering. Complete information concerning these courses is contained in the catalogue of the School of Engineering, which will be mailed upon request to the Dean of the School.

ENGLISH

FIRST SESSION

- 1 *Freshman English* (3) The Staff
Grammatical review, exercises in composition, study and criticism of prose essays
Section A: 10:10 A.M. (Room: D-207)
Section B: 8:10 P.M. (Room: D-202)
- 2 *Freshman English* (3) The Staff
Continuation of English 1.
Section A: 11:10 A.M. (Room: D-207)
Section B: 7:10 P.M. (Room: D-207)
- 51 *Introduction to English Literature* (3) Smith
A historical survey. 7:10 P.M. (Room: D-202)
- 71 *Introduction to American Literature* (3) Cole
A historical survey. 6:10 P.M. (Room: Gov. 101)
- 91 *Introduction to European Literature* (3) Howard
Consideration of various types. 10:10 A.M. (Room: D-104)
- 129 *English Literature of the Renaissance* (3) Tupper
7:10 P.M. (Room: D-102)
- 135 *Shakespeare* (3) Tupper
A study of Shakespeare's literary and theatrical technique. 6:10 P.M. (Room: D-200)
- 151 *The Romantic Movement* (3) Smith
8:10 P.M. (Room: D-204)

SECOND SESSION

- 1 *Freshman English* (3) The Staff
Grammatical review, exercise in composition, study and criticism of prose essays.
Section A: 11:10 A.M. (Room: D-207)
Section B: 7:10 P.M. (Room: D-207)
- 2 *Freshman English* (3) The Staff
Continuation of English 1.
Section A: 10:10 A.M. (Room: D-207)
Section B: 8:10 P.M. (Room: D-202)
- 52 *Introduction to English Literature* (3) Irvine
A historical survey. 7:10 P.M. (Room: D-202)
- 72 *Introduction to American Literature* (3)
A historical survey. 6:10 P.M. (Room: Gov. 101)
- 92 *Introduction to European Literature* (3) Shepard
Consideration of various types. 10:10 A.M. (Room: D-104)

- 152 *The Romantic Movement* (3) Irvine
8:10 P.M. (Room: D-204)
- 162 *Victorian Poetry* (3) Shepard
9:10 A.M. (Room: D-104)
- 177 *The American Short Story* (3) Warfel
7:10 P.M. (Room: D-302)

FIFTEEN-WEEK TERM

- 167S *Contemporary American Drama and Fiction* (3) Bolwell
Mon., Wed., and Fri., 6:10 P.M. (Room: D-202)
- 172S *Studies in American Literature* (3) Bolwell
Major factors in the national cultural tradition as shown by outstanding writers. Mon., Wed., and Fri., 7:10 P.M. (Room: D-300)

GERMAN

FIRST SESSION

- 1 *First-year German* (3) Sehrt
Essentials of grammar and translation of simple prose. 6:10 P.M. (Room: D-300)
- 5 *Second-year German* (3) Sehrt
Composition and conversation; readings in prose and poetry. 7:10 P.M. (Room: D-203)

SECOND SESSION

- 2 *First-year German* (3) Rogers
Continuation of German 1. Essentials of grammar and translation of simple prose. 6:10 P.M. (Room: D-300)
- 6 *Second-year German* (3) Rogers
Continuation of German 5. Composition and conversation; readings in prose and poetry. 7:10 P.M. (Room: D-203)

HISTORY

FIRST SESSION

- 39 *The Development of European Civilization to 1500* (3) Kayser
Primarily for freshmen. The political, social, economic, and cultural history of the Old World from ancient times through the Middle Ages. 7:10 A.M. (Room: Gov. 1)

71 *The Development of American Civilization to 1865* (3)

Primarily for sophomores. The background of modern America: the political, social, economic, and cultural forces of the United States in their world setting. 6:10 P.M. (Room: Gov. 2)

149 *European Diplomatic History* (3)

Kayser

A study of European diplomacy from the Congress of Vienna to the present. 8:10 A.M. (Room: Gov. 1)

181 *Diplomatic History of the United States* (3)

Tendencies toward isolation, expansion, and collectivism; disputes with foreign countries and their settlement; and the activities of American secretaries of state and diplomatic agents—to the Civil War. Prerequisite: History 71-72. 7:10 P.M. (Room: Gov. 303)

191 *Current History* (1)

Kayser

Contemporary events in their world setting. Mon., 11:10 A.M. to 1:00 P.M. (Room: D-104)

SECOND SESSION

40 *The Development of European Civilization since 1500* (3)

Ragatz

Primarily for freshmen. The political, social, economic, and cultural history of the Old World from the Age of Exploration to the present. 7:10 A.M. (Room: Gov. 1)

72 *The Development of American Civilization since 1865* (3)

Primarily for sophomores. The emergence and problems of modern America: the political, social, economic, and cultural forces of the United States in their world setting. 6:10 P.M. (Room: Gov. 2)

148 *The Second World War and Reconstruction* (3)

Ragatz

6:10 P.M. (Room: Gov. 304)

174 *Economic History of the United States* (3)

Main trends in the development of American agriculture, industry, and trade since 1607, with emphasis on tendencies and problems since the Civil War. Prerequisite: History 71-72. 7:10 P.M. (Room: Gov. 300)

192 *Current History* (1)

Kayser

Continuation of History 191. Mon., 11:10 A.M. to 1:00 P.M. (Room: D-104)

LAW

Complete information concerning the courses offered in the summer term of the Law School will be mailed upon request to the Dean of the School.

MATHEMATICS

FIRST SESSION

- 11 *Introductory College Mathematics* (3) Mears
Prerequisite: one year each of high school algebra and high school geometry. 7:10 P.M. (Room: D-206)
- 12 *Plane Analytic Geometry* (3) Mears
Prerequisite: Mathematics 11. 8:10 P.M. (Room: D-206)
- 19 *Differential Calculus* (3) Williams
Prerequisite: Mathematics 12. 6:10 P.M. (Room: D-204)
- 20 *Integral Calculus* (3) Williams
Prerequisite: Mathematics 19. 7:10 P.M. (Room: D-204)
- 123 *Theory of Equations* (3) Mears
Prerequisite: Mathematics 20. 6:10 P.M. (Room: D-206)

SECOND SESSION

- 11 *Introductory College Mathematics* (3) Legner
Prerequisite: one year each of high school algebra and high school geometry. 6:10 P.M. (Room: D-206)
- 12 *Plane Analytic Geometry* (3) Legner
Prerequisite: Mathematics 11. 7:10 P.M. (Room: D-206)
- 19 *Differential Calculus* (3) Johnston
Prerequisite: Mathematics 12. 8:10 P.M. (Room: D-206)
- 20 *Integral Calculus* (3) Johnston
Prerequisite: Mathematics 19. 6:10 P.M. (Room: D-204)
- 132 *Differential Equations* (3) Johnston
Prerequisite: Mathematics 20. 7:10 P.M. (Room: D-204)

FIFTEEN-WEEK TERM

- 11S *Introductory College Mathematics* (3) Taylor
Prerequisite: one year each of high school algebra and high school geometry. Mon., Wed., and Fri., 10:10 A.M. (Room: D-203)
- 12S *Plane Analytic Geometry* (3) Taylor
Prerequisite: Mathematics 11. Mon., Wed., and Fri., 11:10 A.M. (Room: D-203)

PHILOSOPHY

FIRST SESSION

- 1 Introduction to Philosophy (3)** Garnett
Designed to introduce the student to the vital issues, both theoretical and practical, with which human intelligence is confronted. 6:10 P.M. (Room: D-105)
- 122 Logic (3)** Garnett
A critical study of deductive logic, induction, and the application of the principles of reflective thought in the natural and social sciences. 7:10 P.M. (Room: D-201)

SECOND SESSION

- 2 Introduction to Philosophy (3)** Garnett
6:10 P.M. (Room: D-105)

PHYSICS

SECOND SESSION

- 8 General Physics * (2)** Cheney
The experimental evidence concerning the nature of light, electricity, and matter; practical developments of modern physics, such as X-ray apparatus, electron tubes, and radio. Prerequisite: Physics 6 and 7. Tues. through Fri., 7:10 P.M. (Room: Cor. 10)

FIFTEEN-WEEK TERM

- 6S General Physics * (3)** Brown, Cheney, and Staff
Mechanics, wave-motion, sound, and the theory of optical instruments. Prerequisite: Physics 5. Material fee, \$6.
Section A: Tues. and Fri., 1:10 P.M.; laboratory: Fri., 2:10 to 4:10 P.M. (Rooms: Cor. 10, 27, and 29)
Section B: Tues. and Thurs., 6:10 P.M.; laboratory: Thurs., 8:10 to 10:00 P.M. (Rooms: Cor. 10, 27, and 29)
- 7S General Physics * (3)** Brown, Cheney, and Staff
Electricity; magnetism; the principles underlying the uses of electric power in everyday life. Prerequisite: Physics 5. Material fee, \$6.
Section A: Mon. and Thurs., 1:10 P.M.; laboratory: Mon., 2:10 to 4:00 P.M. (Rooms: Cor. 10, 27, and 29)
Section B: Tues. and Thurs., 6:10 P.M.; laboratory: Tues., 8:10 to 10:00 P.M. (Rooms: Cor. 10, 27, and 29)

* Physics 6, 7, and 8 constitute the basic course in physics. Students who have credit for high school physics from an accredited high school may omit Physics 5 as a prerequisite for Physics 6 and 7, provided that they pass a qualifying examination given at the beginning of the course (Physics 6 or Physics 7).

- 116S *Optics* (3) Gamow
Geometrical and physical optics. Prerequisite: Physics 8; Mathematics 20. Mon., Wed., and Fri., 6:10 P.M. (Room: Lis. 1B)
- 211S *Classical Physical Theory* (3) Brown
Dynamics of systems of particles and of rigid bodies; generalized co-ordinates. Prerequisite: Physics 121, 122, and 125; Mathematics 132 and 171. Mon., Wed., and Fri., 6:10 P.M. (Room: Cor. 27)

POLITICAL SCIENCE

FIRST SESSION

- 9 *Government of the United States* (3) West
Fundamental principles of political science and the organization of the Federal Government. 6:10 P.M. (Room: Gov. 102)
- 10 *Government of the United States* (3) West
The organization of state and local governments; relationships with the Federal Government; the functioning of the federal, state, and local governments in the United States. 7:10 P.M. (Room: Gov. 203)
- 117 *Political Theory* (3) West
8:10 P.M. (Room: Gov. 203)
- 171 *International Politics* (3)
A survey of the basis of international relations with discussion of post-war problems. 7:10 P.M. (Room: Gov. 302)

SECOND SESSION

- 9 *Government of the United States* (3) Tillema
Fundamental principles of political science and the organization of the Federal Government. 9:10 A.M. (Room: Gov. 202)
- 10 *Government of the United States* (3) Tillema
The organization of state and local governments; relationships with the Federal Government; the functioning of the federal, state, and local governments in the United States. 6:10 P.M. (Room: Gov. 102)
- 111 *The Governments of Europe: The Democracies* (3) Tillema
A survey of the democracies of Europe, with emphasis upon the government of Great Britain. 7:10 P.M. (Room: Gov. 302)

FIFTEEN-WEEK TERM

- 281S *Seminar* (3) Johnstone
Wed., 8:10 P.M. (Room: D-102)

PSYCHOLOGY

FIRST SESSION

- 1 *General Psychology* (3) Hunt, _____
The fundamental principles underlying human behavior.
Section A: 8:10 A.M. (Room: D-104)
Section B: 7:10 P.M. (Room: D-200)
- 116 *Abnormal Psychology* (3) Hunt
The causes, diagnosis, treatment, and prevention of various types of maladjustments and mental disorders. 10:10 A.M. (Room: D-105)
- 125 *Child Psychology* (3) _____
A genetic approach to the study of the child. 6:10 P.M. (Room: D-302)
- 143 *Public Personnel Administration* (3) Hubbard
A survey of recruitment and selection activities. 6:10 P.M. (Room: D-304)
- 146 *Employee Counseling* (3) McGowan
A study of the principles and techniques of individual counseling as applied to employees, with special reference to the problems of counseling in government departments. Tues. and Fri., 7:10 to 9:00 P.M. (Room: D-305)
- 203 *Research in Psychology* The Staff
Hours and credits to be arranged.

SECOND SESSION

- 1 *General Psychology* (3) _____
The fundamental principles underlying human behavior, 9:10 A.M. (Room: D-105)
- 2 *Applied Psychology* (3) _____
Section A: 8:10 A.M. (Room: D-104)
Section B: 7:10 P.M. (Room: D-200)
- 131 *Psychological Tests* (3) _____
A survey of psychological tests and their more common uses in personnel, educational, and military organizations. Material fee, \$2.50. 6:10 P.M. (Room: D-302)
- 151 *Social Psychology* (3) _____
The social foundations of attitudes, behavior, and adjustment, especially in the family, neighborhood, school, church, fraternity, political party, occupation, and other group activities. 7:10 P.M. (Room: D-301)
- 204 *Research in Psychology* The Staff
Hours and credits to be arranged.

ROMANCE LANGUAGES

FIRST SESSION

French

- 1 *First-year French* (3) Deibert
Grammar, translation, pronunciation. 6:10 P.M. (Room: D-103)
- 5 *Second-year French* (3) Deibert
Reading of modern French, grammar review, oral practice. 7:10 P.M.
(Room: D-304)

Spanish *

- 1 *First-year Spanish* (3) Protzman, Vaughn
Grammar, translation, pronunciation.
Section A: 9:10 A.M. (Room: D-201)
Section B: 6:10 P.M. (Room: D-306)
- 5 *Second-year Spanish* (3) Protzman, Vaughn
Reading of modern Spanish, grammar review, oral practice.
Section A: 10:10 A.M. (Room: D-201)
Section B: 7:10 P.M. (Room: D-306)
- 109 *Conversation and Composition* (3) Baños
7:10 P.M. (Room: D-205)
- 129 *The Spanish American Novel* (3) Espinosa
Development of the novel in Spanish America. Lectures, collateral
reading, and class analysis of texts. 6:10 P.M. (Rooms D-207)

SECOND SESSION

French

- 2 *First-year French* (3) Caskie
Continuation of French 1. 6:10 P.M. (Room: D-103)
- 6 *Second-year French* (3) Caskie
Continuation of French 5. 7:10 P.M. (Room: D-304)

Spanish

- 2 *First-year Spanish* (3) Alonso, Driggs
Continuation of Spanish 1.
Section A: 9:10 A.M. (Room: D-201)
Section B: 6:10 P.M. (Room: D-306)
- 6 *Second-year Spanish* (3) Alonso, Driggs
Continuation of Spanish 5.
Section A: 10:10 A.M. (Room: D-201)
Section B: 7:10 P.M. (Room: D-306)

* Spanish 5-6 or the equivalent is prerequisite for all second-group courses in Spanish.

- 110 *Conversation and Composition* (3) Alonso
Continuation of Spanish 109. 7:10 P.M. (Room: D-205)
- 130 *The Spanish American Novel* (3) Espinosa
Continuation of Spanish 129. 6:10 P.M. (Room: D-207)

SOCIOLOGY

FIRST SESSION

- 27 *Organization of Society* (3) Nolan
The origin and development of culture; man's social nature; types of groups and social institutions; social processes; social change and social control. 6:10 P.M. (Room: Gov. 200)

SECOND SESSION

- 28 *Problems of Society* (3) Nolan
Population problems; psycho-physical problems; problems of race and nativity, social institutions, and social control in war and peace. 6:10 P.M. (Room: Gov. 200)

SPEECH

FIRST SESSION

- 1 *Principles of Effective Speaking* (3) Yeager
Short informative speeches; delivery practice; pronunciation, enunciation, and diction; impromptu speaking. Speech recordings are required. Recording fee, \$1.50. 7:10 P.M. (Room: Aud. A)
- 109 *Radio Speaking* (3) Yeager
The production of radio programs with emphasis on speeches, interviews, discussions, news reporting, and news commenting. Prerequisite: three credit hours of public speaking. Recording fee, \$3.00. 8:10 P.M. (Room: Aud. A)

STATISTICS

FIRST SESSION

- †101-2 *Economic and Sociological Statistics* (3-3) Weidner
Sources of data; collecting and assembling of statistics; tabulation; graphical analysis; averages; measures of dispersion; frequency distribution; index numbers; time series; the normal curve; correlation. Prerequisite: at least one entrance unit in algebra. Students desiring to register for one half of this course must obtain permission from the instructor. Second half begins June 29. Laboratory fee, \$5 for each half. 7:10 to 9:30 P.M. (Room: Gov. 401)

SECOND SESSION

100 *General Statistics* (3)

A survey of statistical method in business administration, biological sciences, commercial engineering, economics, education, fisheries, forestry, medical science, military science, sociology, physical sciences, and psychology. Prerequisite: at least one entrance unit in algebra. 6:10 P.M. (Room: Gov. 401)

ZOOLOGY

FIRST SESSION

1 *Introduction to Zoology* (4) Young

An introduction to the study of the structures, functions, and relation of animals and of the fundamental biological principles involved. Material fee, \$4.50. Mon. through Thurs., 7:10 P.M.; laboratory: 8:10 to 10:00 P.M. Required of all premedical students. (Room: C-405)

137 *Histology* (3) Young

An introduction to the microscopical anatomy of normal tissues and organs. Prerequisite: Zoology 1-2. Material fee, \$6. Mon. and Wed., 9:10 P.M.; laboratory: Mon. through Thurs., 7:10 to 9:00 P.M. (Room: C-303)

141 *Comparative Vertebrate Anatomy* (3) Hansen

Lectures on the organ systems of the vertebrates; laboratory dissections of types. Prerequisite: Zoology 1-2. Material fee, \$6. Mon. and Wed., 9:10 P.M.; laboratory: Mon. through Thurs., 7:10 to 9:00 P.M. (Room: C-405)

199 *Proseminar* (3) The Staff

A course designed to correlate and supplement the work of zoology majors. Hours to be arranged.

253 *Research* The Staff

Investigation of special problems. Hours and credits to be arranged.

299 *Thesis* (3) The Staff

SECOND SESSION

2 *Introduction to Zoology* (4) Hansen

Continuation of Zoology 1. Material fee, \$4.50. Mon. through Thurs., 7:10 P.M.; laboratory: 8:10 to 10:00 P.M. (Room: C-405)

142 *Comparative Vertebrate Anatomy* (3) Hansen

Continuation of Zoology 141. Material fee, \$4.50. Mon. and Wed., 9:10 P.M.; laboratory: Mon. through Thurs., 7:10 to 9:00 P.M. (Room: C-405)

200 *Proseminar* (3) The Staff

Continuation of Zoology 199. Hours to be arranged.

SCHEDULE OF COURSES

SCHEDULE OF COURSES *

FIRST SESSION—Accelerated Program †

June 5–July 26

MORNING CLASSES

7:10	8:10	9:10	10:10	11:10	12:10
Bus Adm 115 Econ 146 Hist 39	Econ 1 A Hist 149 Psych 1 A	Chem 11..... (T through F) Chem 21..... (T through F) Chem 151 (MWF) Sp 1 A	Chem 151 lab. (TTb) Eng 1 A Eng 91 Psych 116 Sp 5 A	Bot 1..... (T through F) Chem 151 (MWF) Eng 2 A Hist 191 (M).....	..... ..... ..... ..... ..... ..... .....

* Seminars and research courses for which hours are to be arranged will be found under the departmental announcements.

† Classes meet Monday through Friday unless otherwise indicated.

EVENING CLASSES

6:10	7:10	8:10
Bus Adm 51	Bus Adm 155	Eng I B
Econ 1 B	Econ 170	Eng 151
Econ 102	Ed 137 (MWF)	..... (to 8:50)
Ed 172 conference hr (TTh)	Ed 156 (MWF)	..... (to 8:50)
Ed 228 conference hr (TTh)	Ed 173 (TTh)	..... (to 9:10)
Eng 71	Ed 228 (TTh)	..... (to 9:10)
Eng 135	Eng 2 B	Math 12
Fr 1	Eng 51	Pol Sc 117
Ger 1	Eng 129	Speech 109
Hist 71	Fr 5	
Math 49	Ger 5	
Math 123	Hist 181	
Phil 1	Math 11	
Pol Sc 9	Math 20	
Psych 125	Phil 122	
Psych 143	Pol Sc 10	
Soc 27	Pol Sc 171	
Sp 1 B	Psych 1 B	
Sp 129	Psych 146 (TF)	
	Sp 5 B	
	Sp 109	
	Speech 1	
	Stat 101-2	
	Zoo 1 (M through Th)	..... (to 9:30)
	Zoo 137 lab (M through Th)	Zoo 1 lab (M through Th to 10)
	Zoo 141 lab (M through Th)	..... (Zoo 137 lect MW 9:10)
		..... (Zoo 141 lect MW 9:10)

SECOND SESSION—Accelerated Program *

July 27—September 15

MORNING CLASSES

7:10	8:10	9:10	10:10	11:10	12:10
Bus Adm 101 Econ 101 Hist 40	Econ 2 A Psych 2 A	Chem 12..... (T through F) Chem 22..... (T through F) Chem 152 (MWF) Eng 162 Pol Sc 9 Psych 1 Sp 2 A	Chem 152 lab..... (MTThF) Eng 2 A Eng 92 Sp 6 A	Botany 2..... (T through F) Chem 152 (W) Eng 1 A Hist 192 (M)	..... ..... ..... ..... (to 2 P.M.)

* Classes meet Monday through Friday unless otherwise indicated.

EVENING CLASSES

6:10	7:10	8:10
Bus Adm 52	Bus Adm 102	
Econ 2 B	Econ 125	
Econ 195	Ed 109 (MWF)	
Ed 255 conference hr (MW)	Ed 255 (MW)	(to 8:50)
Ed 286 conference hr (TTh)	Ed 286 (TTh)	(to 9:10)
Ed 292 conference hr (TTh)	Ed 292 (TTh)	(to 9:10)
Eng 72	Eng 1 B	Eng 2 B
Fr 2	Eng 52	Eng 152
Ger 2	Eng 177	Math 19
Hist 72	Fr 6	
Hist 148	Ger 6	
Math 11	Hist 174	
Math 20	Math 12	
Phil 2	Math 132	
Pol Sc 10	Physics 8 (T through F)	
Psych 131	Pol Sc 111	
Soc 28	Psych 2 B	
Sp 2 B	Psych 151	
Sp 130	Sp 6 B	
Stat 100	Sp 110	
	Zoo 2 (M through Th)	Zoo 2 lab (M through Th to 10)
	Zoo 142 lab (M through Th)	Zoo 142 lect (MW 9:10)

NON-ACCELERATED FIFTEEN-WEEK TERM *

June 5-September 15

DAYTIME CLASSES

8:10	9:10	10:10	11:10	Afternoon
Chem 111-12 S (T through F)		Chem 12 S (TTh)		Chem 12 S lab (TTh 2:10-5)
		Math 11 S	Math 12 S	Phys 6 S A (TF 1:10; lab 2:10-4 F) Phys 7 S A (MTTh 1:10; lab 2:10-4 M)

EVENING CLASSES

6:10	7:10	8:10	9:10
Eng 167 S Physics 6 S B (TTh) Physics 7 S B (TTh) Physics 116 S Physics 211 S	Chem 251 S Eng 172 S	Physics 6 S B lab (Th) Physics 7 S B lab (T) Pol Sc 281 S (W)	

• Classes meet Monday, Wednesday, and Friday unless otherwise indicated.

THE SCHOOL OF EDUCATION

Special Six-Week Session—July 3-August 11

8:00 to 9:00 A.M.	9:10 to 10:10 A.M.	10:20 to 11:20 A.M.	11:30 to 12:30
Ed 227 (M through F) (conference hrs: TTh 9 A.M.; W 10-10 A.M.)	Ed 218 (M through F) (conference hrs: MF 10:10 A.M.; W 8:10 A.M.)	Ed 271 (M through F) (conference hrs: TTh 9:20 A.M.; W 11:20 A.M.)	Ed 206 (M through F) (conference hrs: MF 10:30 A.M.; W 12:30 P.M.)

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Director of Admissions,
The George Washington University,
Washington 6, D. C.

Dear Sir:

I wish to study at The George Washington University.
Please send me a copy of the following:

(Check one.)

Application for Admission to the University (for new students)

Application for Readmission to the University (for former students who have not been in attendance during the term prior to this registration).

Name _____

Address _____

THE SCHOOL OF ENGINEERING
1944-45

ACCELERATED
WARTIME PROGRAM

Abstract of the Report of the

[1888]

[1888]

THE
GEORGE
WASHINGTON
UNIVERSITY
BULLETIN

VOL. XLIII

No. 2

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D.

1880-1881

OF THE

AMERICAN

PHYSICAL

THE SCHOOL OF ENGINEERING ACCELERATED PROGRAM

The George Washington University School of Engineering is continuing to accelerate its regular program in order to provide more rapid training of engineers and technicians for war service. At the same time, since the content of the engineering curriculum has not been reduced, students preparing themselves for the post-war period are offered a program of study which provides a stable basis for professional engineering advancement after the return of peace. In consequence, the present accelerated program of the School of Engineering is adjusted to the requirements of the following groups of students:

Men deferred from military service to complete courses leading to Bachelor's degrees in engineering, whether they are destined for eventual military service or for service in industry.

Veterans who wish to prepare themselves for careers in engineering.

High school graduates who wish to obtain the fundamentals of engineering before being called for military service.

Government employees with some training in engineering who wish to complete academic work necessary for degrees.

Engineering graduates or those engaged in Government engineering and scientific work who wish to gain further information or training in fields of their employment.

Women who are in training to replace men in engineering and scientific work; or who intend to make engineering their career.

This accelerated program takes the form of a three-term academic year. The length and course-content of the curriculum has not been reduced; an additional full term of instruction is offered during the summer and the sequence of courses is correspondingly accelerated. This permits full-time students to work continuously throughout the year and to complete the requirements for a degree in two and two-thirds years.

Curricula leading to the degrees of Bachelor of Civil Engineering, Bachelor of Electrical Engineering, Bachelor of Mechanical Engineering, and Bachelor of Science in Engineering are offered.

In cooperation with the Law School a six-year curriculum leading to the combined degrees of Bachelor of Science in Engineering and Bachelor of Laws is offered.

Courses are scheduled to permit employed students to enroll on a part-time basis. The curricula are the same for both full-time and part-time students. The courses leading to degrees are open to both men and women.

The flexible programs of study not only meet the needs of part-time students but are of benefit to war veterans, who need special work to round out training and experience.

SPECIAL COURSES

In addition to the regular curricula numerous special courses are offered in fields in which critical shortages of trained personnel still exist. Examples of these courses are Navigation, Management Problems, and Communications Engineering. College credits earned in these courses may be applied toward the degrees, as elective credits.

CURRICULUM FOR TECHNICAL TRAINEES

The School of Engineering offers a group of courses in the basic sciences and fundamentals of engineering designed primarily for young women high school graduates employed as Technical Trainees in government services. The purpose of this curriculum is to equip students with a knowledge of the essentials of mathematics and a selected group of sciences, to supplement the specialized inservice training; thus to provide for a more rapid progress to work of higher responsibility. The required work may normally be completed in two years, part-time. Credit for the courses may be applied toward degrees in engineering.

ENGINEERING, SCIENCE, AND MANAGEMENT WAR TRAINING PROGRAM

Under the auspices of the United States Office of Education, courses in Engineering, Science, and Management War Training are offered by the School of Engineering. These courses are intended to provide special technical inservice training for government employees and employees of private industries connected with the war effort. A special certificate is given for their completion.

For further information consult the Director of the War Training Program in the School of Engineering.

For information concerning the regular curricula leading to degrees in engineering or concerning the special wartime courses, apply to the Office of the Dean of the School of Engineering.

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CALENDAR OF THE SCHOOL OF ENGINEERING

1944-45

Date	Day	Occasion
May 8-June 3....		Preregistration period for the summer term
SUMMER TERM 1944:		
June 5.....	Monday	Registration for the summer term. Classes begin
July 4.....	Tuesday	Independence Day. Holiday
Sept. 3.....	Monday	Labor Day. Holiday
Sept. 11-27.....		Preregistration period for the fall term
Sept. 15.....	Friday	Summer term ends
Sept. 19.....	Tuesday	Fall Convocation
FALL TERM:		
Sept. 27.....	Wednesday	Examinations for students who wish to qualify for advanced courses
Sept. 28.....	Thursday	Registration of new students
Sept. 29 and 30...	Friday and Saturday....	Registration of former students
Oct. 2.....	Monday	Classes begin
Nov. 23-25.....	Thursday through Saturday	Thanksgiving recess
Dec. 23-Jan. 1....	Saturday through Monday	Christmas recess
Jan. 15-27.....		Preregistration period for the winter term
Jan. 18.....	Thursday	Last day of classes
Jan. 19-27.....	Friday through Saturday	Examination period
WINTER TERM:		
Jan. 29.....	Monday	Examinations for students who wish to qualify for advanced courses
Jan. 31 and Feb. 1.	Wednesday and Thursday	Registration for the winter term
Feb. 2.....	Friday	Classes begin
Feb. 22.....	Thursday	Winter Convocation. Holiday
March 30 and 31..	Friday and Saturday....	Easter recess
May 14-June 2...		Preregistration for the summer term
May 15.....	Tuesday	Last day of classes
May 16-26.....	Wednesday through Saturday	Examination period

THE UNIVERSITY

THE BOARD OF TRUSTEES

The Board of Trustees of the University is composed of the President of the University *ex officio* and the following persons by election:

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* Nominated by the alumni.

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Carl Hugo Walther, B.E., M.C.E., *Assistant to the Dean of the School of Engineering*

Helen Madigan, *Secretary to the Dean of the School of Engineering*

* On war leave 1944-45.

THE UNIVERSITY

The George Washington University operates under a charter granted by an act of Congress of February 9, 1821, to Columbian College in the District of Columbia. In 1873 the name was changed to "Columbian University" and in 1904 to "The George Washington University".

The University as it is now organized consists of the Junior College, comprising the work of the freshman and sophomore years; Columbian College, the senior college of arts and sciences, which offers work leading to the Bachelor's and Master's degrees; the Graduate Council, which offers work leading to the degree of Doctor of Philosophy; the professional schools, which include Medicine, Law, Engineering, Pharmacy, Education, and Government; the Division of University Students, which makes the work of the University accessible to the mature student; the Division of Extension; the Inter-American Center; and the Summer Sessions.

The George Washington University is on the approved list of the Association of American Universities, the standard accrediting body for the United States. This fact not only assures to students the academic standards of this accrediting body, but also is important to those who desire to transfer credits from one institution to another.

The University is also accredited by its regional accrediting agency, the Middle States Association of Colleges and Secondary Schools, and is on the approved list of the American Association of University Women.

THE UNIVERSITY LIBRARY

The University Library contains more than 150,000 volumes. The well equipped six-story Library building houses all of the library except the law and medical collections.

OTHER LIBRARY FACILITIES

The student has access also to the Library of Congress; the Public Library of the District of Columbia and its branches; the Library of the Carnegie Endowment for International Peace; the Library of the Pan American Union; the Library of the Bureau of Railway Economics; the Library of the United States Department of Agriculture, with its scientific departmental collections; the Library of the United States Office of Education; the Army Medical Library; the Library of the Smithsonian Institution; and many of the other great special collections of the government departments.

GOVERNMENTAL INSTITUTIONS ACCESSIBLE TO STUDENTS

The Congress of the United States has made the scientific resources of the Government accessible to students under the terms of the following joint resolution, approved April 12, 1892:

Resolved by the Senate and House of Representatives of the United States of America, in Congress assembled, That the facilities for research and illustration in the following and any other Governmental collections now existing or hereafter to be established in the city of Washington for the promotion of knowledge shall be accessible, under such rules and restrictions as the officers in charge of each collection may prescribe, subject to such authority as is now or may hereafter be permitted by law, to the scientific investigators and to students of any institution of higher education now incorporated or hereafter to be incorporated under the laws of Congress or of the District of Columbia, to wit:

- One. Of the Library of Congress.
- Two. Of the National Museum.
- Three. Of the Patent Office.
- Four. Of the Bureau of Education.
- Five. Of the Bureau of Ethnology.
- Six. Of the Army Medical Museum.
- Seven. Of the Department of Agriculture.
- Eight. Of the Fish Commission.
- Nine. Of the Botanic Gardens.
- Ten. Of the Coast and Geodetic Survey.
- Eleven. Of the Geological Survey.

THE SCHOOL OF ENGINEERING

THE SCHOOL OF ENGINEERING

THE FACULTY

Cloyd Heck Marvin, Ph.D., LL.D., *President of the University*
Frederick Morris Feiker, B.S. in E.E., D.Eng., *Dean of the School of Engineering*
Carl Hugo Walther, B.E., M.C.E., *Assistant to the Dean of the School of Engineering*

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Milton Kent Akers, B.S., E.E., *Associate Professor of Electrical Engineering*
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Robert Gay Trumbull, B.S. in C.E., *Associate Professor of Mechanical Engineering*
Maurice Hart Van Horn, Ph.D., *Associate Professor of Chemistry*

* On war leave 1944-45.

- *Alfred Ennis, M.S., E.E., D.Eng., *Assistant Professor of Electrical Engineering*
 *Howard Henry Koster, M.S. in M.E., *Assistant Professor of Mechanical Engineering*
 *George Strollo, B.S. in C.E., M.C.E., *Assistant Professor of Civil Engineering*
 Carl Hugo Walther, B.E., M.C.E., *Assistant Professor of Civil Engineering*
 Wolfram Karl Legner, Ph.D., *Assistant Professor of German*
 Maurice Harold Irvine, Ph.D., *Assistant Professor of English*
 Martin Alexander Mason, B.S. in Eng., Dr. Ing., *Lecturer in Mechanical Engineering*
 Harry Joseph Keegan, B.M.E., *Lecturer in Mechanical Engineering*
 Rudolph Michel, M.S. in M.E., *Lecturer in Mechanical Engineering*
 Edward Iannelli, B.E.E., *Lecturer in Electrical Engineering*
 Francis Jerue Gross, B.S. in E.E., *Lecturer in Electrical Engineering*
 Joseph Carl Oleinik, B.S. in C.E., M.S., *Associate in Civil Engineering*
 William Hayward, B.S. in C.E., *Associate in Civil Engineering*
 Carl Harrison Smith, Jr., B.E.E., *Associate in Electrical Engineering*
 Earl Hildreth Lund, B.S. in C.E., C.E., LL.B., *Associate in Civil Engineering*
 Ralph Edward Fuhrman, B.S. in C.E., M.S., *Associate in Civil Engineering*
 Dwight Edward Shytle, *Associate in Electrical Engineering*

THE DEAN'S COUNCIL ‡

1945

Milton Kent Akers

Frank Artemas Hitchcock

1946

James Henry Taylor
Maurice Hart Van Horn

1947

Benjamin Carpenter Cruickshank
Maurice Harold Irvine

* On war leave 1944-45.

‡ Elected by the Faculty. The President of the University and the Dean and Assistant Dean of the School of Engineering are members ex officio of the council.

GENERAL INFORMATION

INTRODUCTORY

HISTORY AND ACCREDITATION

The School of Engineering was organized in 1884 as the Corcoran Scientific School. In 1903 that school was combined with Columbian College in the Department of Arts and Sciences. In 1905 the engineering courses were placed under an administrative organization known as the Washington College of Engineering and in 1909 the name was changed to the College of Engineering and Mechanic Arts. In 1914 the name became the School of Engineering.

Courses leading to the degrees of Bachelor of Civil Engineering, Bachelor of Mechanical Engineering, and Bachelor of Electrical Engineering are accredited by the Engineers' Council for Professional Development, the recognized accrediting body of the engineering profession, composed of representatives of the American Society of Civil Engineers, the American Institute of Mining and Metallurgical Engineers, the American Society of Mechanical Engineers, the American Institute of Electrical Engineers, the Society for the Promotion of Engineering Education, the American Institute of Chemical Engineers, and the National Council of State Boards of Engineering Examiners.

ADVANTAGES OF LOCATION

The George Washington University School of Engineering is situated in downtown Washington within a few blocks of many of the Government departments. This location is of twofold value to the prospective Engineering student. He gains because the School is able to retain, as instructors in special courses, engineers of experience in Government service who are alert to current progress in federal wartime engineering. Moreover, the accessibility of the University makes it possible for employed students to continue their engineering studies on limited programs as part-time students.

ADMISSION

An applicant for admission to the School of Engineering must obtain from the Office of the Director of Admissions of the University an application blank which he must fill out completely and return.

METHODS OF ADMISSION

An applicant from a secondary school must send to his high school principal the high school record form furnished by the University, with the request that the principal fill out the form and mail it direct to the Office of the Director of Admissions.

An applicant who has previously attended one or more institution of higher learning must request the registrar of each institution to mail to the Office of the Director of Admissions a transcript of his record, even though credits were not earned, together with an honorable dismissal.

ENTRANCE REQUIREMENTS

An acceptable certificate of graduation from an accredited secondary school, or the satisfactory passing of College Entrance Board examinations in secondary school subjects selected with the approval of the Director of Admissions is required.

Specific Subject Requirements.—Of the fifteen secondary school units required, nine and one-half must be distributed as follows: English (3), algebra (2), plane geometry (1), plane trigonometry ($\frac{1}{2}$), physics or chemistry (1), and foreign language or history (2).

REGISTRATION

Before a student may register for courses in engineering, he must satisfy the Office of the Director of Admissions that he is qualified for entrance to the University.

TIME AND PLACE OF REGISTRATION

Preregistration.—Students may register between 9:00 A.M. and 8:00 P.M. during the following registration periods; *summer term* 1944, May 8 to June 3; *fall term*, September 11 to 27; *winter term*, January 1 to 27. Preregistration is conducted in the Office of the Registrar, Building C, 2029 G Street NW.

Registration.—Registration is conducted between 2:00 and 8:00 P.M. during the following periods: *summer term* 1944, June 5 for the first session, July 27 for the second session; *fall term*, September 28 for new students, September 29 and 30 for former students; *winter term*, January 31 and February 1. Registration is conducted in the Hall of Government, 710 Twenty-first Street NW.

FEES AND FINANCIAL REGULATIONS

By authorization of the Board of Trustees, the following fees have been adopted.

UNIVERSITY FEE

For each term or any part thereof

For the student registered for credit..... \$2.00

For auditors,* for each registration..... 2.00

* Payment of this fee does not entitle auditors to the general privileges to which payment of the preceding fee entitles resident students.

TUITION FEES

For each credit hour for which the student registers..... 8.00

ADDITIONAL COURSE FEES AND DEPOSITS

In certain courses additional fees and deposits, such as laboratory and material fees and breakage deposits, are charged as indicated in the course descriptions. These fees are charged by the term and, unless otherwise indicated, may be defrayed in three payments when the tuition is paid in this manner. Fees and deposits payable in advance are due in full at the time of registration. Breakage of apparatus is charged against the individual student, and the amount paid in excess of breakage will be credited to the student's account at the end of the course.

GRADUATION FEE \$20.00

FEE FOR THE PROFESSIONAL THESIS..... 50.00

An annual fee: one half, plus the University fee, payable in advance at the time of each registration.

SPECIAL FEES

Late-registration fee, for failure to register within the designated period 5.00

Service fee, for late payment of tuition (see "Payment of Fees")..... 1.00

Reinstatement fee, for reinstatement after suspension for delinquency in fees 5.00

For examinations to qualify for advanced courses, and for all special examinations, for each subject..... 5.00

UNIVERSITY FEE

Payment of the University fee covers all expenses incident to registration and, in addition, secures to each student the following University privileges: (1) the issuance of three certified transcripts of record, if and when desired; (2) the services of the Placement Office; (3) the use of University library facilities, except as otherwise designated; (4) gymnasium privileges; (5) admission to all athletic contests, unless otherwise specified; (6) subscription to the *University Hatchet*, the student newspaper; (7) admission to University debates; (8) medical attention and hospital services as described under the Department of Health Administration. These privileges, however, with the exception of the issuance of transcripts, terminate, and a student is no longer in residence, when he withdraws or is dismissed from the University.

Medical and Hospital Services.—These services include: (1) three visits by the University physician or surgeon, office or residence (District of Columbia) in any one illness, exclusive of a specialist, surgical operation, laboratory, or X-ray examinations; (2) hospitalization, including board, medicine, and nursing in the University Hospital for not more than two weeks during a school year—the necessity to be determined by the Director of Health Administration. The duration of hospitalization period (maximum, two weeks) is also to be determined by the Director of Health Administration.

The student is allowed, if he so desires, to engage physicians and nurses of his own choice, but when he does so he will be responsible for the fees charged.

This medical benefit does not apply to illness or disability incurred previous to the University term or prior to payment of the University registration fee.

PAYMENT OF FEES

All fees are payable at the Office of the Cashier, 725 Twenty-first Street NW. No student is permitted to complete registration or to attend classes until all fees are paid. Fees for each term are due and payable in advance at the time of registration.

In exceptional cases, subject to the approval of the Comptroller, the student may sign a contract for term charges, except for the University fee and other fees payable in advance, permitting payments as follows:

Summer Term 1944.—One third at the time of registration, plus the University fee and deposits; one third on July 10; and one third on August 14.

Fall Term.—One third at the time of registration, plus the University fee and deposits; one third on November 3; one third on December 4.

Winter Term.—One third at the time of registration, plus the University fee and deposits; one third on March 5; one third on April 3.

During the summer term a student who fails to meet payments when due, on July 10 and August 14, but who pays his fees between July 11 and July 14 and between August 15 and August 18, is charged a service fee of \$1. A student who fails to make these payments by July 14 and August 18 will be suspended and may not attend classes until he has been officially reinstated and has paid all accrued fees and a reinstatement fee of \$5.

During the fall and winter terms a student who fails to meet payments when due, but who pays his fees on or before the tenth day of the month in which payment is due, is charged a service fee of \$1. A student who fails to meet payments by the tenth day of the month in which payment is due will be suspended and may not attend classes until he has been officially reinstated and has paid all accrued fees and a reinstatement fee of \$5.

A suspended student may not be reinstated for the term after two weeks from the date of suspension. Applications for reinstatement are to be made to the dean of the college, school, or division in which the student is registered.

An auditor pays a University fee of \$2 and all other fees charged to the student registered for credit except the late-registration fee.

WITHDRAWALS AND REFUNDS

Application for withdrawal from the University or for change in class schedule must be made in person or in writing to the dean of the college, school, or division in which the student is registered. Notification to an instructor is not an acceptable notice.

In authorized withdrawals and changes in schedules, financial adjustments will be made as follows:

Summer Term 1944.—Withdrawal dated on or before July 7, cancellation of the second and third payments; withdrawal dated on or before August 11, cancellation of the third payment. No refund or reduction will be allowed on a withdrawal dated subsequent to August 11.

Fall Term.—Withdrawal dated on or before October 31, cancellation of the second and third payments; withdrawal dated on or before November 30, cancellation of the third payment. No refund or reduction will be allowed on a withdrawal dated subsequent to November 30.

Winter Term.—Withdrawal dated on or before February 28, cancellation of the second and third payments; withdrawal dated on or before March 31, cancellation of the third payment. No refund or reduction will be allowed on a withdrawal dated subsequent to March 31.

In no case will the University fee or any part of an initial payment of fees be refunded, and in no case will tuition be reduced or refunded because of nonattendance upon classes.

Payment applies only to the term for which a registration charge is incurred and in no case will this payment be credited to another term.

A student granted "war leave" during a term will be credited with tuition payments made prior to the granting of such leave, which credit will be applicable toward a subsequent registration.

Any student in chemistry who fails to check out of the laboratory on or before the date set by the instructor, unless excused by the instructor, will forfeit the balance of his deposit. A student who drops a course before the end of the term must check out of the laboratory at once.

Authorization to withdraw and certification for work done will not be given a student who has not a clear financial record.

STUDENT LOANS AND SCHOLARSHIPS

For information concerning loans and scholarships, apply to the Committee on Student Loans and Scholarships, The George Washington University.

REGULATIONS

Students in the School of Engineering are subject to, and are expected to familiarize themselves with the general University regulations as stated in the University catalogue.

AMOUNT OF WORK

Eighteen credit hours, including required physical education, constitute normal full-time work. Nine credit hours constitute normal part-time work.

A full-time student who is not on probation may take ordinarily not more than nineteen credit hours. A student employed more than twenty-four hours a week, who is not on probation, may take ordinarily not more than ten credit hours. A student whose quality-point index is 3.00 or higher may be permitted by the Dean to exceed these limits by not more than two credit hours.

A student previously unemployed who accepts employment subsequent to registration or at any time during a term is required to report that fact immediately to the Dean, in order that adjustments in schedule may be made, if necessary, to bring his program within the Faculty's limitations upon the amount of work to be carried by an employed student.

ATTENDANCE

The student is expected to attend every meeting of the course in which he is registered fully prepared to carry on the work required. The student is held responsible for all work in the course, and all absences must be excused before provision will be made for him to make up the work missed. Excuses for absences from examinations which have been announced in advance can be obtained only by making written application to the instructor in charge of the course.

THE BACHELOR'S DEGREES

The Bachelor's degrees are: Bachelor of Civil Engineering, Bachelor of Electrical Engineering, Bachelor of Mechanical Engineering, and Bachelor of Science in Engineering.

The degree of Bachelor of Science in Engineering may be earned with any of the following majors: Business Administration, Chemistry, Economics, Mathematics, Naval Architecture, Physics, or Statistics.

In cooperation with the Law School a six-year curriculum leading to the combined degrees of Bachelor of Science in Engineering and Bachelor of Laws is offered.

REQUIREMENTS FOR THE DEGREES

SCHOLARSHIP

In order to graduate, a student must have a quality-point index of at least 2.00. No student whose quality-point index is below 2.00 will be admitted to the junior year.

Probation.—A student must maintain a quality-point index of at least 2.00, or be placed on probation. A student remains on probation as long as his quality-point index is below 2.00, or until his probation is removed by the Dean's Council.

Suspension.—A student who has a quality-point index below 1.50 or who is placed on probation for a third term, whether successive or after an interval, will be suspended. A student suspended for poor scholarship may apply for readmission after an interval of one calendar year. He must then submit evidence to the Dean's Council that during his absence from the University he has so conducted himself as to indicate that he will profit by readmission. A student suspended twice for poor scholarship will not be readmitted.

Quality points are computed from grades as follows: *A*, four points; *B*, three points; *C*, two points; *D*, one point; *E* and *F*, no points, for each credit hour for which the student is registered.

Scholarship is computed in terms of the quality-point index, obtained by dividing the number of quality points by the number of credit hours for which the student has registered, both based on the complete collegiate record. Courses graded *W* or *Inc.* are not considered in determining the index.

Grades.—*A* (90–100 per cent), excellent; *B* (80–89 per cent), good; *C* (70–79 per cent), average; *D* (60–69 per cent), passing; *E* conditioned, not passing; *F* (below 60 per cent), failing; *Inc.*, incomplete; *W*, withdrawn. *W* is followed by a letter grade indicating the quality of work the student was doing at the time of withdrawal. A course failed must be repeated with a passing grade in order to be credited. No student may repeat for credit a course in which he has received a grade above *E*, without the permission of the Faculty of the School of Engineering. A condition may be removed within one year on terms specified by the instructor, but in no case will a final grade above *D* be given unless the course is repeated in class. A grade of "incomplete" cannot be altered after a lapse of one calendar year except by action of the Faculty.

USE OF CORRECT ENGLISH

Any student whose English in any course whatever is deemed unsatisfactory may be reported by the instructor to the Dean's Council. The Council may assign supplementary work, without academic credit, varying in amount with the needs of the student. If the work prescribed is equivalent to a course, the regular tuition fee is charged. The granting of a degree may be delayed for failure to make up any such deficiency in English to the satisfaction of the Dean's Council.

The foregoing regulation is to be interpreted as applying to both written and spoken English.

RESIDENCE

One year, or thirty-six credit hours, must be completed in residence in the School of Engineering. Summer term work may be counted in residence, but in no case may the period of residence aggregate less than thirty weeks. Unless special permission is granted by the Dean to pursue work elsewhere, the work of the senior or final year must be completed in residence.

CURRICULUM REQUIREMENTS

The satisfactory completion of one of the following curricula of 144 credit hours is required.

Variations from the prescribed curricula may be made, with the permission of the Dean's Council. A student desiring to omit a required course and substitute another must make written application to the Dean, presenting satisfactory reasons for the substitution; and written approval must be obtained before registration for the course.

FRESHMAN YEAR (FOR ALL ENGINEERING CURRICULA)

		Credit Hours
*Chem. 11-12	General Chemistry	8
CE 2	Plane Surveying	3
Engl. 1-2	Freshman English	3
Math. 12	Plane Analytic Geometry	3
Math. 19	Differential Calculus	3
ME 1	Engineering Survey and Orientation.....	1
ME 3	Mechanical Drawing	2
ME 4	Descriptive Geometry	2
Phys. Ed.	Physical Education	6
‡Phys. 6 and 7	General Physics	6
	Total.....	36

Bachelor of Civil Engineering

SOPHOMORE YEAR

		Credit Hours
CE 21	Analytical Mechanics: Statics.....	3
CE 22	Analytical Mechanics: Dynamics.....	3
CE 23	Higher Surveying.....	3
• EE 9-10	Elements of Electrical Engineering.....	6
Geol. 21-22	Physical and Historical Geology.....	3
Math. 20	Integral Calculus.....	3
Phys. Ed.	Physical Education.....	3

* The student who has credit for high school chemistry from an accredited high school may be excused from Chemistry 11 upon passing a qualifying examination given at the beginning of the term. He will be permitted to take Chemistry 12 and 21 instead.

‡ The student who begins physics with Physics 6 or 7 is subject to a qualifying examination. Credit will be given for Physics 5 or Chemistry 11 if not used for entrance requirements.

The School of Engineering

19

Phys. 8
Elective
Elective

General Physics.....	2
Economics 1-2 or modern language.....	6
.....	3
Total.....	37

JUNIOR YEAR

CE 25-26
CE 123
CE 136
CE 140
CE 141
CE 142
CE 164
CE 171
CE 172
CE 187
ME 111-12
Speech 1

	Credit Hours
Materials of Construction.....	4
Strength of Materials.....	3
Hydraulics	3
Materials and Hydraulics Laboratory.....	2
Graphic Statics.....	3
Bridge Stresses.....	3
Highway Engineering.....	3
Route Surveying.....	3
Railroad Engineering....	3
Contracts and Specifications.....	2
Thermodynamics	6
Principles of Effective Speaking.....	3
Total.....	38

SENIOR YEAR

CE 147-48
CE 149-50
CE 151-52
CE 181-82
CE 189-90
ME 141-42
Elective

	Credit Hours
Structural Design.....	4
Concrete and Masonry Construction.....	6
Statically Indeterminate Structures.....	4
Water Supply and Sewerage.....	6
Civil Engineering Proseminar.....	2
Management Problems.....	4
.....	7
Total.....	33

Bachelor of Electrical Engineering

SOPHOMORE YEAR

CE 21
CE 22
EE 9-10
Math. 20
Math. 132
ME 13-14
Phys. Ed.
Phys. 8
Phys. 55
Elective
Elective

	Credit Hours
Analytical Mechanics: Statics	2
Analytical Mechanics: Dynamics	3
Elements of Electrical Engineering.....	6
Integral Calculus.....	3
Differential Equations.....	3
Mechanism	4
Physical Education.....	2
General Physics.....	2
Physical Measurements.....	2
Economics 1-2 or modern language.....	6
.....	5
Total.....	38

JUNIOR YEAR

CE 25-26
CE 123
CE 136
EE 17-18
EE 101
EE 102
EE 111-12
ME 111-12
Phys. 132
Speech I

Materials of Construction..... 4
Strength of Materials..... 3
Hydraulics 4
Direct-Current Laboratory..... 3
Electric Circuits..... 3
Alternating-Current Machinery..... 3
Electrical Measurements..... 4
Thermodynamics 6
Electronics 3
Principles of Effective Speaking..... 3

Total..... 36

SENIOR YEAR

CE 140
EE 103
EE 133-34
EE 189-90
ME 115
Elective
Choice

Materials and Hydraulics Laboratory..... 2
Alternating-Current Machinery..... 3
Alternating-Current Laboratory..... 4
Proseminar in Electrical Engineering..... 2
Mechanical Laboratory..... 6
Business Administration or Economics..... 15
(1) Communications Option, or (2) Power Option..

Total..... 34

1. Communications Option

EE 143-44
EE 151-52
EE 161-62
Elective

High-Frequency Communication..... 6
Communication Engineering..... 4
Communications Laboratory..... 4

2. Power Option

EE 125-26
EE 136
EE 137
EE 140
Elective

Principles of Electric Power Transmission..... 4
Hydro-Electric Engineering..... 2
Electric Traction..... 2
Electrical Design 4

Bachelor of Mechanical Engineering

SOPHOMORE YEAR

CE 21
CE 22
EE 9-10
Math. 20
ME 7
ME 8
ME 13-14
Phys. Ed.
Phys. 8

Analytical Mechanics: Statics..... 8
Analytical Mechanics: Dynamics..... 8
Elements of Electrical Engineering..... 2
Integral Calculus..... 2
Machine Drawing..... 2
Mechanism Drawing..... 2
Mechanism 2
Physical Education..... 2
General Physics..... 2

The School of Engineering

21

Phys. 55
Elective
Elective

Physical Measurements.....	2
Economics 1-2 or modern language.....	6
Mathematics	3

Total..... 37

JUNIOR YEAR

CE 25-26
CE 123
CE 136
CE 140
CE 141
EE 13-14
ME 111-12
ME 141-42
Speech 1
Elective

	Credit Hours
Materials of Construction.....	4
Strength of Materials.....	3
Hydraulics	3
Materials and Hydraulics Laboratory.....	2
Graphic Statics.....	3
Direct- and Alternating-Current Laboratory.....	4
Thermodynamics	6
Management Problems.....	4
Principles of Effective Speaking.....	3
.....	3

Total..... 35

SENIOR YEAR

ME 115-16
ME 126
ME 127-28
ME 129-30
ME 131-32

ME 133
ME 139
ME 140
ME 189-90
Elective

	Credit Hours
Mechanical Laboratory.....	4
Methods of Manufacture.....	2
Machine Design.....	4
Power Plants.....	6
Heating, Ventilating, Air Conditioning, and Refrigeration	4
Combustion Engines.....	2
Fluid Dynamics.....	3
Dynamics of Machinery.....	3
Proseminar in Mechanical Engineering.....	2
.....	6

Total..... 36

Bachelor of Science in Engineering

SOPHOMORE YEAR

CE 21
CE 22
EE 9-10
Math. 20
ME 13-14
Phys. Ed.
Phys. 8
Elective
Elective
Elective
Elective

	Credit Hours
Analytical Mechanics: Statics.....	2
Analytical Mechanics: Dynamics.....	3
Elements of Electrical Engineering.....	6
Integral Calculus.....	3
Mechanism	4
Physical Education	2
General Physics.....	2
Business Administration or Speech.....	3
Economics 1-2 or modern language.....	6
Mathematics	3
Physics	3

Total..... 37

JUNIOR YEAR		Credit Hours
CE 25-26	Materials of Construction.....	4
CE 123	Strength of Materials.....	3
CE 136	Hydraulics	3
CE 140	Materials and Hydraulics Laboratory.....	2
EE 13-14	Direct- and Alternating-Current Laboratory.....	4
ME 111-12	Thermodynamics	6
Elective	.....	14
Total.....		36

SENIOR YEAR		Credit Hours
Bus. Adm. 101-2	Business Organization and Management.....	6
Geol. 21-22	Physical and Historical Geology.....	6
ME 141-42	Management Problems.....	4
Elective	.....	19
Total.....		35

The purpose of the Bachelor of Science in Engineering curriculum is to allow a student who has demonstrated his ability to do better than passing work to center his attention upon a group of subjects in which he has special interest. Options may be elected in Business Administration, Chemistry, Economics, Mathematics, Naval Architecture, Physics, or Statistics. The student's choice of subjects for the entire junior and senior years must be submitted to the Dean's Council for approval *before* the beginning of the junior year. The student must comply with such requirements as to subjects, schedules, and scholarship as the department concerned may prescribe.

Curricula recommended by the several departments in which options may be elected are available in the Office of the Dean of the School of Engineering for the guidance of students in arranging their programs. Variations from these curricula may be made to satisfy the needs of the exceptional individual student. However, any variation must be approved in writing by the major department and the Dean's Council.

COMBINED BACHELOR OF SCIENCE IN ENGINEERING AND BACHELOR OF LAWS DEGREES

For those students who desire to enter the branches of the legal profession in which a background in engineering is necessary a six-year curriculum is offered, leading to the combined degrees of Bachelor of Science in Engineering and Bachelor of Laws. A candidate for the combined degrees must conform to the residence and scholarship requirements of the School of Engineering throughout the period of preparation for the de-

gree in engineering. His scholarship level for the junior and senior years must be acceptable to both the School of Engineering and the Law School. During the junior and senior years he must complete: (1) the required courses in engineering, (2) the 28 credit hours of courses required in the first year of the Law School, and (3) such electives as he needs to satisfy the 144 credit-hour requirement for the degree in engineering. Upon the satisfactory completion of the senior year, the degree of Bachelor of Science in Engineering will be conferred. The student will then continue his studies in the Law School; upon the satisfactory completion of which the degree of Bachelor of Laws will be conferred.

For detailed information the student should consult the deans of the School of Engineering and the Law School.

THE PROFESSIONAL DEGREES

The professional degree of Civil Engineer, Electrical Engineer, or Mechanical Engineer may be conferred upon a graduate of the School of Engineering who has demonstrated his professional ability.

REQUIREMENTS FOR THE DEGREES

1. Application may not be made sooner than three years after graduation, and then only if the candidate has had responsible charge of engineering work.

2. A detailed statement of the candidate's experience, references, the degree sought, and the title of the thesis must be filed with the Dean eight months before the Commencement at which the degree is to be conferred.

Detailed information concerning the preparation of the thesis may be obtained from the Office of the Dean.

COURSES OF INSTRUCTION

On the following pages, under the alphabetically arranged names of the departments of instruction, are listed the courses of instruction offered in the School of Engineering in the summer of 1944 and in the academic year 1944-45. Also listed are courses offered by other schools and colleges of the University, but required or accepted as electives for the degrees in engineering. The courses as here listed are subject to some slight change.

The University reserves the right to withdraw any course announced.

INDICATION OF THE AMOUNT OF CREDIT

The number of credit hours given for the satisfactory completion of a course is in most cases indicated in parentheses after the name of the course. Thus, a year course giving three hours of credit each term is marked (3-3), and a term course giving three hours of credit is marked (3). A credit hour usually consists of the completion of one fifty-minute period of class work or of one laboratory period a week for one term.

CIVIL ENGINEERING

- *Frank Artemas Hitchcock, M.S. in C.E., C.E., *Professor of Civil Engineering; Director of War Training Program*
- Joseph Young Dreisonstok, Capt., U. S. Navy, B.S., *Professorial Lecturer on Navigation*
- *Charles Edward Cook, B.S. in E.E., B.S. in C.E., C.E., *Associate Professor of Civil Engineering*
- *George Strollo, B.S. in C.E., M.C.E., *Assistant Professor of Civil Engineering*
- Carl Hugo Walther, B.E., M.C.E., *Assistant Professor of Civil Engineering, Acting Executive Officer*
- Joseph Carl Oleinik, B.S. in C.E., M.S., *Associate in Civil Engineering*
- William Hayward, B.S. in C.E., *Associate in Civil Engineering*
- Earl Hildreth Lund, B.S. in C.E., C.E., LL.B., *Associate in Civil Engineering*
- Ralph Edward Fuhrman, B.S. in C.E., M.S., *Associate in Civil Engineering*

Minimum requirements for the major.—See pages 18-19.

Summer term 1944.—Odd-numbered courses will be offered except 15, 147.

Fall term 1944-45.—Even-numbered courses will be offered except 148, 172.

Winter term 1944-45.—Odd-numbered courses will be offered except 151, 181.

FIRST GROUP

- 2 *Plane Surveying* (3) Hayward
Principles, methods, and instruments used in surveying; with field work. Prerequisite: Trigonometry. Surveying fee, \$6. Section A: Tues. and Thurs., 12:10 P.M.; section B: Tues. and Thurs., 7:10 P.M. Field work—Sat., 9:10 A.M. and 1:40 P.M.
- 15 *Navigation* (3) Dreisonstok
Principles, methods, and instruments used in surface and aerial navigation. Charts, piloting, dead-reckoning, nautical astronomy, position determination. Prerequisite: Trigonometry. Mon., Wed., and Fri., 6:10 P.M.
- 17 *Meteorology for Navigation* (2) _____
Principles and elements of atmospheric behavior; weather forecasting, data, and maps. Prerequisite: Physics 6 and 7.
- 21 *Analytical Mechanics: Statics* (2) _____
Composition and resolution of forces; axial stresses; centroids; friction. Prerequisite: Physics 6; prerequisite or concurrent registration: Mathematics 20. Section A: Tues. and Thurs., 11:10 A.M.; section B: Tues. and Thurs., 7:10 P.M.

* On war leave 1944-45.

- 22 *Analytical Mechanics: Dynamics* (3) _____
Kinematics of a particle; kinetics of a body in translation, rotation, and plane motion; work and energy; impulse and momentum. Prerequisite: Civil Engineering 21. Section A: Mon., Wed., and Fri., 11:10 A.M.; section B: Mon., Wed., and Fri., 7:10 P.M.
- 23 *Higher Surveying* (4) _____ Hayward
Elements of geodesy, triangulation, topography, hydrography, and precise and trigonometric leveling, with field work. Prerequisite: Civil Engineering 2. Surveying fee, \$6. Section A: Mon., Wed., and Fri., 11:10 A.M.; section B: Mon., Wed., and Fri., 6:10 P.M. Field work—Sat., 9:10 A.M. and 1:40 P.M.
- 25-26 *Materials of Construction* (2-2) _____ Walther
Nonmetallic materials, with emphasis on cement; metallic materials, with emphasis on iron and steel. Prerequisite or concurrent registration: Chemistry 12. Section A: Tues. and Thurs., 9:10 A.M.; section B: Tues. and Thurs., 6:10 P.M.

SECOND GROUP

- 123 *Strength of Materials* (3) _____
Tension, compression, shear, flexure, and torsion; deflection; combined and working stresses. Prerequisite: Civil Engineering 22. Section A: Mon., Wed., and Fri., 10:10 A.M.; section B: Mon., Wed., and Fri., 6:10 P.M.
- 136 *Hydraulics* (3) _____
Hydrostatics; flow through pipes and open channels; laminar and turbulent flow. Prerequisite: Civil Engineering 22. Section A: Mon., Wed., and Fri., 10:10 A.M.; section B: Mon., Wed., and Fri., 6:10 P.M.
- 140 *Materials and Hydraulics Laboratory* (2) _____
Determination of the properties of materials by mechanical tests, and a study of the flow of fluids. Prerequisite: Civil Engineering 123; prerequisite or concurrent registration: Civil Engineering 26 and 136. Laboratory fee, \$6. Section A: Tues. and Thurs., 1:40 P.M.; section B: Tues. and Thurs., 8:10 P.M.
- 141 *Graphic Statics* (3) _____ Walther
Fundamental principles; analyses of beams; determination of stresses in roof trusses and framed bents. Prerequisite or concurrent registration: Civil Engineering 123. Drafting-room fee, \$1. Section A: Tues. and Thurs., 11:10 A.M., and Thurs., 1:40 P.M.; section B: Tues. and Thurs., 7:10 P.M., and Tues., 8:10 P.M.
- 142 *Bridge Stresses* (3) _____ Walther
Determination of stresses in modern types of bridge trusses. Prerequisite: Civil Engineering 141. Drafting-room fee, \$1. Section A: Tues. and Thurs., 11:10 A.M., and Thurs., 1:40 P.M.; section B: Tues. and Thurs., 7:10 P.M., and Tues., 8:10 P.M.
- 147-48 *Structural Design* (2-2) _____ Walther
Computations and drawings for the design of steel structures. Prerequisite: Civil Engineering 142. Drafting-room fee, \$3 a term. Tues. and Thurs., 8:10 P.M.

- 149-50 *Concrete and Masonry Construction* (3-3) Oleinik
Plain concrete; general properties and theory of reinforced concrete; foundations and retaining walls. Prerequisite: Civil Engineering 25 and 123. Civil Engineering 149, laboratory fee, \$6; Civil Engineering 150, drafting-room fee, \$1. Tues. and Thurs., 6:10 P.M., and Mon., 8:10 P.M.
- 151-52 *Statically Indeterminate Structures* (2-2) Walther
A study of such structures as continuous spans, rigid frames, and arches by methods of work, slope deflection, and moment distribution. Prerequisite: Civil Engineering 142. Mon. and Fri., 6:10 P.M.
- 164 *Highway Engineering* (3)
Highway economics, location, construction, and maintenance. Prerequisite or concurrent registration: Civil Engineering 25 and 171. Mon., Wed., and Fri., 6:10 P.M.
- 171 *Route Surveying* (3) Hayward
Curves and earthwork, and methods of location as used on railroads and highways; field work; complete highway location. Prerequisite: Civil Engineering 2. Surveying fee, \$6. Tues. and Thurs., 6:10 P.M. Field work—Sat., 1:40 P.M.
- 172 *Railroad Engineering* (3)
Track construction and requirements, rolling stock, cost and operation of railroads, with field work. Prerequisite: Civil Engineering 171. Surveying fee, \$6.
- 181-82 *Water Supply and Sewerage* (3-3) Fuhrman
Collection, storage, purification, and distribution of water; sewerage systems and treatment of sewage. Prerequisite: Civil Engineering 136; Chemistry 12. Mon., Wed., and Fri., 7:10 P.M.
- 187 *Contracts and Specifications* (2) Lund
Contract principles; preparation of contracts; specifications and methods of studying them; examples of contracts and specifications; practice in analyzing and writing specifications. Tues. and Thurs., 7:10 P.M.
- 189-90 *Civil Engineering Proseminar* (1-1) Mason
Hours to be arranged.

ELECTRICAL ENGINEERING

*Norman Bruce Ames, M.S., E.E., LL.B., *Professor of Electrical Engineering*

Forest Klaire Harris, B.S. in E.E., M.S., Ph.D., *Professorial Lecturer in Electrical Engineering*

Newbern Smith, Ph.D., *Professorial Lecturer in Electrical Engineering*

Milton Kent Akers, B.S., E.E., *Associate Professor of Electrical Engineering, Acting Executive Officer*

*Alfred Ennis, M.S., E.E., D.Eng., *Assistant Professor of Electrical Engineering*

Edward Iannelli, B.E.E., *Lecturer in Electrical Engineering*

Francis Jerue Gross, B.S. in E.E., *Lecturer in Electrical Engineering*

Carl Harrison Smith, Jr., B.S. in E.E., *Associate in Electrical Engineering*

Dwight Edward Shytle, *Associate in Electrical Engineering*

Minimum requirements for the major.—See pages 18 and 19-20.

Summer term 1944.—Odd-numbered courses will be offered except 125, 137.

Fall term 1944-45.—Even-numbered courses will be offered except 126, 136.

Winter term 1944-45.—Odd-numbered courses will be offered except 125, 137.

FIRST GROUP

9-10 *Elements of Electrical Engineering* (3-3) Akers

Electrical Engineering 9: magnetic and electric circuits, and direct-current instruments and machines; Electrical Engineering 10: alternating-current circuits, instruments, and machines. Prerequisite: Physics 7. Prerequisite or concurrent registration: Mathematics 20. Section A: Mon., Wed., and Fri., 12:10 P.M.; section B: Mon., Wed., and Fri., 7:10 P.M.

13-14 *Direct- and Alternating-Current Laboratory* (2-2) Shytle

For the student not majoring in electrical engineering. Experiments in direct and alternating currents and direct- and alternating-current machinery. Prerequisite: Electrical Engineering 10. Laboratory fee, \$6 a term. Section A: Mon., 1:40 P.M.; section B: Fri., 1:40 P.M.; section C: Mon., 8:10 P.M.; section D: Thurs., 8:10 P.M.; section E: Fri., 8:10 P.M.

17-18 *Direct-Current Laboratory* (2-2) Shytle

For the student majoring in electrical engineering. A course in measurements and direct-current dynamo laboratory. Prerequisite: Electrical Engineering 9-10. Laboratory fee, \$6 a term. Section A: Mon., 1:40 P.M.; section B: Fri., 1:40 P.M.; section C: Mon., 8:10 P.M.; section D: Thurs., 8:10 P.M.; section E: Fri., 8:10 P.M.

* On war leave 1944-45.

SECOND GROUP

- 101 *Electric Circuits* (3) Gross
Alternating-current-circuit theory. Extensive consideration is given to harmonic analysis and to the study of harmonics in both single-phase and polyphase circuits. Prerequisite: Electrical Engineering 10. Mon., Wed., and Fri., 6:10 P.M.
- 102 *Alternating-Current Machinery* (3) Akers
Synchronous generators and motors, transformers, and mercury arc rectifiers. Prerequisite: Electrical Engineering 101. Mon., Wed., and Fri., 6:10 P.M.
- 103 *Alternating-Current Machinery* (3) Akers
A continuation of Electrical Engineering 102. Converters, induction motors, single-phase motors, and elementary transmission and distribution of alternating currents. Prerequisite: Electrical Engineering 102. Mon., Wed., and Fri., 6:10 P.M.
- 111-12 *Electrical Measurements* (2-2) Harris
Theory of direct-current and alternating-current instruments, bridges, and meters. Prerequisite or concurrent registration; Electrical Engineering 101. Tues. and Thurs., 7:10 P.M.
- 125-26 *Principles of Electric Power Transmission* (2-2) Akers
Mechanical and electrical characteristics of transmission lines; approximate and rigorous solutions by means of hyperbolic functions; steady-state and elementary transient considerations; the more important phases of distribution of electrical energy. Prerequisite: Electrical Engineering 101. Tues. and Thurs., 7:10 P.M.
- 133-34 *Alternating-Current Laboratory* (2-2) Shytle
A continuation of Electrical Engineering 17-18, with experiments on alternating-current circuits, instruments, and machinery. Prerequisite: Electrical Engineering 18 and 103. Laboratory fee, \$6 a term. Section A: Mon., 1:40 P.M.; section B: Fri., 1:40 P.M.; section C: Mon., 8:10 P.M.; section D: Thurs., 8:10 P.M.; section E: Fri., 8:10 P.M.
- 136 *Hydro-Electric Engineering* (2) Akers
Present-day theory and practice in hydro-electric engineering. Prerequisite: Electrical Engineering 10; Civil Engineering 136. Tues. and Thurs., 6:10 P.M.
- 137 *Electric Traction* (2) Akers
Theory and practice of modern direct- and alternating-current railways. Prerequisite: Electrical Engineering 10. Tues. and Thurs., 6:10 P.M.
- 138 *Industrial Electrical Power Applications* (2) Akers
The characteristics of the various types of electrical motors and other power appliances and the principles governing their applications in industry. Prerequisite: Electrical Engineering 10 and junior standing. Mon. and Fri., 5:10 P.M.

- 140 *Electrical Design (3)* Akers
Principles of design, with reference to materials of construction and electrical equipment. Practical exercises are assigned in connection with classroom work. Prerequisite: Electrical Engineering 103. Mon. and Fri., 6:10 P.M., and Tues., 8:10 P.M.
- 143-44 *High-Frequency Communication (3-3)* N. Smith
Principles of high-frequency communication circuits and of high-frequency measurement. Prerequisite: Electrical Engineering 101; Physics 132. Tues. and Thurs., 6:10 to 7:25 P.M.
- 151-52 *Communication Engineering (2-2)* Iannelli
Principles of communication circuits and measurements. Particular attention is given to low and intermediate-frequency phenomena. Prerequisite: Electrical Engineering, 101; Physics 132. Tues. and Thurs., 6:10 P.M.
- 153 *Electronic Engineering (3)*
Theory and application of electronic tubes and circuits to radio and industrial controls. Designed expressly for electrical engineering students who do not elect the communications option and for mechanical and civil engineering students. Prerequisite: Electrical Engineering 10 and Junior standing. Tues. and Thurs., 5:45 to 7:00 P.M.
- 161-62 *Communications Laboratory (2-2)* C. Smith
A laboratory course paralleling Electrical Engineering 151-52. Prerequisite or concurrent registration: Electrical Engineering 151. Tues., 8:00 to 10:30 P.M.
- 171 *Advanced Electrical Laboratory (2)* Akers
Individually assigned laboratory problems. Open only to students who have shown the capacity for independent work. Prerequisite: Electrical Engineering 134. Hours to be arranged.
- 180 *Advanced Electrical Design (2)* Akers
Individual problems worked out in conference with the instructor. Open only to students who have shown the capacity for independent work. Prerequisite: Electrical Engineering 140. Hours to be arranged.
- 189-90 *Proseminar in Electrical Engineering (1-1)* Akers
Prerequisite: Electrical Engineering 103. Wed., 6:10 P.M.

MECHANICAL ENGINEERING

*Arthur Frederick Johnson, M.E., Ph.D., *Professor of Mechanical Engineering*

Frederick Morris Feiker, B.S. in E.E., D.Eng., *Professor of Engineering Administration*

Benjamin Carpenter Cruickshanks, B.S. in M.E., *Professor of Mechanical Engineering, Acting Executive Officer*

Garbis Keulegan, Ph.D., *Professorial Lecturer in Mechanical Engineering*

Robert Gay Trumbull, B.S. in C.E., *Associate Professor of Mechanical Engineering*

*Howard Henry Koster, M.S. in M.E., *Assistant Professor of Mechanical Engineering*

Martin Alexander Mason, B.S. in Eng., Dr. Ing., *Lecturer in Mechanical Engineering*

Harry Joseph Keegan, B.S. in M.E., *Lecturer in Mechanical Engineering*

Rudolph Michel, B.S. in M.E., M.S., *Lecturer in Mechanical Engineering*

Minimum requirements for the major.—See pages 18 and 20-21.

Summer term 1944.—Odd-numbered courses will be offered except 5, 9, 15, 101, 103, 117, 133.

Fall term 1944-45.—Even-numbered courses will be offered except 10, 16, 102, 104, 118, 126.

Winter term 1944-45.—Odd-numbered courses will be offered except 5, 9, 15, 101, 103, 117, 131.

FIRST GROUP

- 1 *Engineering Survey and Orientation* (1) Cruickshanks and Staff

Open to freshmen only. Section A: Mon., 12:40 P.M.; section B: Tues., 7:10 P.M.

- 3 *Mechanical Drawing* (2) Trumbull
Drafting-room fee, \$3. Section A: Mon. and Fri., 1:40 to 4:30 P.M.; section B: Mon. and Fri., 8:10 to 11:00 P.M.

- 4 *Descriptive Geometry* (2) Trumbull
Drafting-room fee, \$3. Section A: Mon. and Fri., 1:40 to 4:30 P.M.; section B: Mon. and Fri., 8:10 to 11:00 P.M.

- 5 *Introductory Naval Architecture* (3)
Nomenclature, functions, and arrangement of hull structure, equipment, and machinery for merchant vessels. Lectures supplemented by visits to shipyards.

* On war leave 1944-45.

7 Machine Drawing (2) Trumbull

Prerequisite: Mechanical Engineering 3 and 4. Drafting-room fee, \$3. Section A: Mon. and Fri., 1:40 to 4:30 P.M.; section B: Mon. and Fri., 8:10 to 11:00 P.M.

8 Mechanism Drawing (2) Trumbull

Prerequisite: Mechanical Engineering 3, 4, and 13. Prerequisite or concurrent registration: Mechanical Engineering 14. Drafting-room fee, \$3. Section A: Mon. and Fri., 1:40 to 4:30 P.M.; section B: Mon. and Fri., 8:10 to 11:00 P.M.

9-10 Ship Drafting (2-2)

Fairing of lines; displacement, stability curves, midship section, general arrangements and structural detail plans, machinery details. Prerequisite or concurrent registration: Mechanical Engineering 15. Drafting-room fee, \$3 a term.

13-14 Mechanism (2-2) Trumbull

Prerequisite: Mathematics 12. Prerequisite or concurrent registration: Mathematics 19. Section A: Tues. and Thurs., 12:10 P.M.; section B: Tues. and Thurs., 6:10 P.M.

15-16 Elementary Ship Calculations (2-2)

Form characteristics, detailed weights, displacement, transverse and longitudinal equilibrium, launching. Prerequisite: Mechanical Engineering 5.

SECOND GROUP

101-2 Advanced Ship Calculations (2-2)

Stabilizing, model basin practice, powering, steering, launching, hull strength, floodability, vibrations. Prerequisite: Mechanical Engineering 16.

103-4 Ship Design (2-2)

Prerequisite: Mechanical Engineering 10, 16; prerequisite or concurrent registration: Mechanical Engineering 117. Drafting-room fee, \$3 a term.

111-12 Thermodynamics (3-3) Cruickshanks

With introductory study of laws of heat transmission. Prerequisite or concurrent registration: Mathematics 20. Section A: Mon., Wed., and Fri., 9:10 A.M.; section B: Mon., Wed., and Fri., 7:10 P.M.

115-16 Mechanical Laboratory (2-2) Cruickshanks

Calibration of instruments; calorimetry; testing of prime movers, auxiliaries, and combustion engines. Eight-hour boiler test required. Prerequisite: Mechanical Engineering 13-14 and 111-12. Laboratory fee, \$6 a term. Section A: Mon. and Fri., 1:10 P.M.; section B: Mon. and Fri., 8:10 P.M.

117-18 Marine Engines and Auxiliaries (2-2)

Details, arrangements and performance of steam uniflow, steam turbine, and Diesel propelling plants. Prerequisite or concurrent registration: Mechanical Engineering 5, 13-14, and 111-12.

- 126 *Methods of Manufacture* (2) Koster
 Fixtures, gauging, tools, costs. Prerequisite: Mechanical Engineering 8 and 14; Civil Engineering 26. Tues. and Thurs., 7:10 P.M.
- 127-28 *Machine Design* (2-2) Keegan
 With stress-analysis lectures. Prerequisite: Mechanical Engineering 112 and 126; Civil Engineering 25, 123, 136, and 141. Drafting-room fee, \$3 a term. Tues. and Thurs., 8:10 to 11:00 P.M.
- 129-30 *Power Plants* (3-3) Cruickshanks
 Study of design, layout, installation, and operation of power plants and equipment. Prerequisite: Mechanical Engineering 112. Mon., Wed., and Fri., 6:10 P.M.
- 131-32 *Heating, Ventilating, Air Conditioning, and Refrigeration* (2-2) Koster
 Prerequisite: Mechanical Engineering 112. Tues. and Thurs., 6:10 P.M.
- 133 *Combustion Engines* (2) Koster
 Prerequisite: Mechanical Engineering 112; Civil Engineering 123 and 136; Electrical Engineering 10. Section A: Tues. and Thurs., 11:10 A.M.; section B: Tues. and Thurs., 7:10 P.M.
- 139 *Fluid Dynamics* (3) Keulegan
 The theories of hydro- and aero-mechanics as influenced by density, viscosity, and turbulence. Prerequisite: Mechanical Engineering 112; Civil Engineering 140. Mon., Wed., and Fri., 7:10 P.M.
- 140 *Dynamics of Machinery* (3) Michel
 Inertia effects, balancing, vibration phenomena. Prerequisite: Mechanical Engineering 115; Civil Engineering 123 and 136. Mon., Wed., and Fri., 7:10 P.M.
- 141-42 *Management Problems* (2-2) Feiker
 The handling and training of men. Prerequisite: Economics 1-2. Tues. and Thurs., 7:10 P.M.
- 145-46 *Management Controls* (2-2) _____
 Prerequisite: Economics 1-2; Business Administration 101-2. Hours to be arranged.
- 147 *Industrial Labor Relations* (2) _____
 Prerequisite: Mechanical Engineering 141-42. Tues. and Thurs., 6:10 P.M.
- 189-90 *Proseminar in Mechanical Engineering* (1-1) Mason
 Hours to be arranged.

REQUIRED AND ELECTIVE COURSES FROM OTHER DEPARTMENTS

On the following pages appears a partial list of courses in other departments of instruction which are closely related to engineering. Some of these courses are prescribed in the several curricula of the School of Engineering; all are recommended as suitable elective subjects for engineering students. Information on the times and places of meeting of courses may be found in the class schedule which will be available at the time of registration.

The number which precedes the name of the course indicates the term in which that course is offered.

Fall Term.—An odd number preceding the name of the course indicates that the course is offered in the fall term.

The letter "x" following an *even* course number (e.g., 22x) indicates that the course normally offered in the winter term is given in the 1944-45 fall term.

Winter Term.—An even number preceding the name of the course indicates that the course is offered in the winter term.

The letter "x" following an odd course number (e.g., 21x) indicates that the course normally offered in the fall term is given in the 1944-45 winter term.

BUSINESS ADMINISTRATION

51-52 *Principles of Accounting* (3-3)

Rules of debit and credit, underlying principles of accounting records, simple partnership and corporation problems, and the preparation of financial statements.

Business Administration 51x—same as Business Administration 51, but offered winter term.

Business Administration 52x—same as Business Administration 52, but offered fall term. Prerequisite: Business Administration 51, or the approval of the instructor.

Business Administration 51-52 offered summer term 1944.

101-2 *Business Organization and Management* (3-3)

Promotion of an enterprise and selection of a form of organization; departmentizing and administration.

Also offered summer term 1944.

115 *Business Finance* (3)

Basic principles involved in the financial policies of business enterprises. Prerequisite: Business Administration 51-52; Economics 1-2.

Also offered summer term 1944.

127 *Business Forecasting* (3)

Forces and factors underlying fluctuations of business activity and methods of forecasting such fluctuations. Prerequisites: Economics 1-2.

128 *Principles of Insurance* (3)

A general course in underlying principles of property, life, marine, and casualty insurance, and the function of insurance in the economic life of a business or individual. Prerequisite: Economics 1-2.

145 *Cost Accounting* (3)

Job order and process systems of cost findings; interrelation of the cost records and the general accounts; standard costs; distribution costs. Prerequisite: Business Administration 51-52.

155 *Analysis of Financial Statements* (3)

Technique of analyzing financial statements for the guidance of operating executives, directors, stockholders, and creditors; valuation of balance sheet items; determination and interpretation of ratios. Prerequisite: Business Administration 151.

Business Administration 155 also offered summer term 1944.

171 *Principles of Marketing* (3)

A survey of marketing, giving particular attention to consumption, retailing, wholesaling, and sales management; the entire marketing structure and its relation to the total economy. Prerequisite: Economics 1-2.

181 *Public Utilities* (3)

Public utility characteristics, organization, management, financing, combinations, and accounting; regulation, valuation, and rate-making are stressed. Prerequisite: Economics 1-2.

Business Administration 181x—same as Business Administration 181, but offered winter term.

185 *Principles of Railroad Transportation* (3)

Railroad history, organization, regulations, rate-making theory and practice, accounting, securities, and consolidation. Work of Interstate Commerce Commission stressed. Prerequisite: Economics 1-2.

186 *Principles of Motor, Air, and Water**Transportation* (3)

History, organization, economics, regulations, and rates of motor, air, and water carriers; coordination of transportation. Prerequisite: Economics 1-2.

CHEMISTRY

11-12 *General Chemistry*† (4-4)

Material fee,* \$9 a term.

Chemistry 11x—same as Chemistry 11, but offered winter term.

Chemistry 12x—same as Chemistry 12, but offered fall term.

Chemistry 11-12 offered summer term 1944.

21 *Qualitative Inorganic Analysis* (4)

Theoretical and practical study of methods of separating and identifying the more common cations and anions. Prerequisite: Chemistry 12.

Material fee,* \$9 a term.

Chemistry 21x—same as Chemistry 21, but offered winter term.

Also offered summer term 1944.

* A breakage deposit of \$10, payable in advance, is required of the student registered for one or more chemistry courses requiring a material fee.

† Chemistry 11 and 12 constitute the minimum course in chemistry. Engineering students who have credit for high school chemistry from an accredited high school may be excused from Chemistry 11 upon passing a qualifying examination given at the beginning of each term. They will then be permitted to take Chemistry 12 and 21 instead.

22 Quantitative Inorganic Analysis (4)

The principles of gravimetric and volumetric analysis. Prerequisite: Chemistry 21. Material fee,* \$12 a term.

Also offered summer term 1944.

†111-12 Physical Chemistry (4-4)

Introduction to theoretical chemistry. Prerequisite: Chemistry 22; Mathematics 20; Physics 8. Material fee,* \$9 a term.

Chemistry 111-12 also offered summer term 1944.

122X Advanced Quantitative Analysis (4)

Application of the fundamental principles of analysis to more difficult separations and determinations. Prerequisite: Chemistry 22. Material fee,* \$12.

†131-32 Inorganic Chemistry (2-2)

Chemistry and its theories from the standpoint of the periodic table, with major emphasis on the more common elements. Prerequisite: Chemistry 152. Prerequisite or concurrent registration: Chemistry 111-12.

135-36 Inorganic Chemistry: Preparations (2-2)

Application of the technique of inorganic chemistry to the preparation and purification of a selected list of substances. Prerequisite: Chemistry 152. Prerequisite or concurrent registration: Chemistry 111-12. Material fee,* \$12 a term.

†151-52 Organic Chemistry (4-4)

151: Chemistry of the acyclic carbon compounds. Prerequisite: Chemistry 12; however, students are strongly advised to take Chemistry 21 and 22 before entering this course. Material fee,* \$9. 152: chemistry of the cyclic carbon compounds. Prerequisite: Chemistry 151. Material fee,* \$9.

Also offered summer term 1944.

155X Organic Chemistry: Preparations (2 or 3)

The synthesis of carbon compounds, and a study of the fundamental techniques of purification. Prerequisite: Chemistry 22 and 152. Material fee,* \$12.

191 History of Chemistry (2)

The development of chemistry, and the biographies of eminent contributors to the science. Prerequisite: Chemistry 152. Prerequisite or concurrent registration: Chemistry 22.

251-52 Advanced Organic Chemistry (3-3)

An introduction to the literature of organic chemistry; the study of the syntheses, reactions, and properties of carbon compounds; the fundamental theories of organic chemistry. Prerequisite: Chemistry 152; prerequisite or concurrent registration: Chemistry 111-12. Open to the senior student with the permission of the instructor.

Chemistry 252X—same as Chemistry 252, but offered fall term.

Chemistry 251 also offered summer term 1944.

* A breakage deposit of \$10, payable in advance, is required of the student registered for one or more chemistry courses requiring a material fee.

† This course may not be entered in the second term. Credit will not be given until the work of both terms has been completed.

ECONOMICS

- 1-2 *Introductory Economics** (3-3)
Survey of the major economic institutions and economic problems in contemporary society.
Also offered summer term 1944.
- 121-22 *Money and Banking* (3-3)
Money, bank credit, and prices; commercial and investment banking; banking systems; historical development of banking; government and banking; functions of money and banking.
- 141 *Labor Economics* (3)
Labor problems: wages, hours, and working conditions; growth of labor organizations; types of unions; union tactics and programs.
- 142 *Government and Labor Problems* (3)
Labor legislation; labor and the courts; federal regulation of capital-labor relations; the work of federal labor boards. Prerequisite: Economics 141.
- 161-62 *Public Finance and Taxation* (3-3)
General survey of government expenditures, sources and methods of taxation, economic effects of expenditures and taxes, and of government debt policies.
- 169 *Economics of War* (3)
The problems of production, price control, and finance in the defense preparation and war economies; post-war problems.
- 170 *Economic Geography* (3)
The economics of natural resources: raw materials; staple crops; and location of industry.

ENGLISH

- 1-2 *Freshman English†* (3-3)
Grammatical review, exercises in composition, study and criticism of prose essays.
English 1x—same as English 1, but offered winter term.
English 2x—same as English 2, but offered fall term.
English 1-2 also offered summer term 1944.
- 9 *Sophomore Composition* (3)
A study of the contemporary essay, with weekly exercises in expository writing. Prerequisite: English 1 and 2.

* Economics 1-2 is prerequisite to all other courses in economics.

† Special placement examinations, required of all entering freshmen, will be conducted by the English Department. These examinations will test the student's proficiency in spelling, grammar, punctuation, and sentence structure; his vocabulary; and through an impromptu theme, his ability to present his ideas in logical sequence with clarity and effectiveness. On the basis of these tests students will be classified as follows: (1) specially superior students who, by the unanimous decision of the examiners, are regarded as possessing the equivalent of English 1-2 and who may be relieved of the curriculum requirement of the course; and (2) all other students, who will be required to take English 1-2.

MATHEMATICS*

3 *College Algebra* (3)

Exponents and logarithms; linear equations; complex numbers; quadratic equations; introduction to theory of equations; mathematical induction and the binomial theorem; permutations, combinations, and probability; determinants; progressions. Prerequisite: one year each of high school algebra and high school geometry.

Mathematics 3x—same as Mathematics 3, but offered winter term.

6 *Plane Trigonometry* (3)

Prerequisite: two years of high school algebra and one year of high school geometry, or Mathematics 3 (or concurrent registration therefor).

Mathematics 6x—same as Mathematics 6, but offered fall term.

12 *Analytic Geometry* (3)

Prerequisite: Mathematics 3 and 6, or two years of high school algebra, one year of high school geometry, and one-half year of high school trigonometry.

Mathematics 12x—same as Mathematics 12, but offered fall term.

Mathematics 12 also offered summer term 1944.

19 *Differential Calculus* (3)

Prerequisite: Mathematics 12.

Mathematics 19x—same as Mathematics 19, but offered winter term.

Mathematics 19 also offered summer term 1944.

20 *Integral Calculus*† (3)

Prerequisite: Mathematics 19.

Mathematics 20x—same as Mathematics 20, but offered winter term.

Mathematics 20 also offered summer term 1944.

132 *Differential Equations* (3)

Mathematics 132x—same as Mathematics 132, but offered winter term.

Mathematics 132 also offered summer term 1944.

138 *Advanced Calculus* (3)171 *Vector Analysis* (3)

PHYSICS

5 *General Physics* (3)

Introduction to the scientific method as used in the study of energy and forces; physical properties of solids, liquids, and gases; phenomena of heat and light. Material fee, \$6.

Physics 5x—same as Physics 5, but offered winter term.

6 *General Physics*§ (3)

Mechanics, wave-motion, sound, and the theory of optical instruments. Offered winter term. Prerequisite: Physics 5. Material fee, \$6.

Also offered summer term 1944.

* Mathematics 3, 6, 11, 12, 19, and 20 are not available for college credit if the student's previous training in mathematics meets the prerequisites for a higher numbered course.

† Mathematics 20 is prerequisite to all higher numbered courses.

§ Physics 6, 7, and 8 constitute the basic course in physics. Students who have credit for high school physics from an accredited high school may omit Physics 5 as a prerequisite to Physics 6 and 7, provided that they pass a qualifying examination given at the beginning of the course (Physics 6 or Physics 7).

Before completing registration for Physics 5, 6, 7, or 8, each student must obtain from the representative of the Department an assignment to a class section.

7 General Physics* (3)

Electricity; magnetism; the principles underlying the uses of electric power in everyday life. Offered fall term. Prerequisite: Physics 5.

Also offered summer term 1944.

8 General Physics* (2)

The experimental evidence concerning the nature of light, electricity, and matter; practical developments of modern physics, such as X-ray apparatus, electron tubes, and radio. Prerequisite: Physics 6 and 7.

Also offered summer term 1944.

55 Physical Measurements (2)

Theory and use of the methods of precise measurement in the several fields of physics. Prerequisite: Physics 6 and 7. Prerequisite or concurrent registration: Mathematics 19. Material fee, \$6.

113-14 Molecular and Atomic Physics (3-3)

Constituent particles of matter; kinetic theory and the properties of macroscopic bodies; spectra and the structure of atoms and molecules; introduction to chemical physics. Prerequisite: Physics 8; Mathematics 20.

116 Optics (3)

Geometrical optics; elementary theory of wave motion; interference, diffraction, polarization, and dispersion of light; laws of black-body radiation. Prerequisite: Physics 8; Mathematics 20.

Also offered summer term 1944.

121 Mechanics (3)

Statics, elasticity, dynamics of solids and fluids, and gravitation. Prerequisite: Physics 6; Mathematics 20.

122 Heat and Thermodynamics (3)

Thermometry, calorimetry, heat conduction, the laws of thermodynamics with application to physical systems. Prerequisite: Physics 8; Mathematics 20.

128 Sound (3)

Production, propagation, and detection of sound waves; vibration of sounding bodies; acoustic instruments and acoustic measurements. Prerequisite: Physics 8; Mathematics 20.

132 Electronics (3)

The phenomena of electron emission from solids; the physical properties of electron tubes, and the principles underlying their basic applications. Prerequisite: Physics 8 and 125 or Physics 8 and Electrical Engineering 101. Material fee, \$6.

155 Advanced Physical Measurements (3)

An individual program of experiments arranged for each student in accordance with his preparation and his special interests. Prerequisite: Physics 55 and one course from Physics 116, 121, 125 (or Electrical Engineering 9 and 10). Material fee, \$6 a term.

* Physics 6, 7, and 8 constitute the basic course in physics. Students who have credit for high school physics from an accredited high school may omit Physics 5 as a prerequisite to Physics 6 and 7, provided that they pass a qualifying examination given at the beginning of the course (Physics 6 or Physics 7).

Before completing registration for Physics 5, 6, 7, or 55, each student must obtain from the representative of the Department an assignment to a class section.

PSYCHOLOGY

1 *General Psychology* (3)

The fundamental principles underlying human behavior.

Psychology 1x—same as Psychology 1, but offered winter term.

Psychology 1 also offered summer term 1944.

2 *Applied Psychology* (3)

The application of psychology in business, industry, medicine, law, guidance, education, and social problems.

Psychology 2x—same as Psychology 2, but offered fall term.

Psychology 2 also offered summer term 1944.

SPEECH

1 *Principles of Effective Speaking* (3)

Short informative speeches; delivery practice; pronunciation, enunciation, and diction; impromptu speaking. Speech recordings are required. Recording fee, \$1.50.

Speech 1x—same as Speech 1, but offered winter term.

Speech 1 also offered summer term 1944.

2 *Persuasive and Entertaining Speaking* (3)

Special emphasis is placed on persuasive and entertaining speeches. This course is a continuation of Speech 1, which is prerequisite. Recording fee, \$1.50.

131 *Group Thinking and Conference Leadership* (3)

The process of thinking and problem-solving in committees and small groups, and the methods of leading discussions and conferences. Prerequisite: six credit hours of speech or permission of the instructor.

STATISTICS

100 *General Statistics* (3)

A survey of statistical methods for business administration, biological sciences, commercial engineering, economics, education, fisheries, forestry, medical science, military science, sociology, psychology, and physical sciences.

Statistics 100 also offered summer term 1944.

†101-2 *Economic and Sociological Statistics* (3-3)

Sources of data; collecting and assembling of statistics; tabulation; graphical analysis; averages, measures of dispersion; frequency distributions, index numbers; time series; the normal curve; correlation. Prerequisite: at least one entrance unit in algebra. Laboratory fee, \$5 a term.

Statistics 101-2 also offered summer term 1944.

117 *Analysis of Variance* (3)

A technique for segregating from comparable groups of data the variation traceable to specific sources; a method to estimate experimental error. Prerequisite: Statistics 101-2.

118 *Advanced Economic and Sociological Statistics* (3)

Advanced study of correlation and frequency analysis; and of sources, their uses and limitations. Prerequisite: Statistics 101-2.

†157-58 *Intermediate Theoretical Statistics* (3-3)

Adjustments of observations; curve fitting; design of experiment; simple sampling; theories of dispersion; expectation; frequency functions; Thiele's semi-invariants; Gram-Charlier series. Prerequisite: Mathematics 20.

† This course may not be entered in the second term. Credit will not be given until the work of both terms has been completed.

WAR SERVICE OPPORTUNITIES

IN

THE GEORGE WASHINGTON UNIVERSITY

THE UNIVERSITY AND WAR SERVICE

The George Washington University is meeting the educational responsibilities of war-time with an accelerated program, designed to satisfy immediate war needs and the needs of the post-war future. Through a readjustment of its educational program, the University is giving full attention to the present national requirements, and at the same time is recognizing the necessity for young men and women to plan for careers after the war.

THE ACCELERATED PROGRAM

The accelerated program of study, made possible by year-round instruction on a three term basis and set up to meet the demands of a nation at war for professionally and technically trained men and women, is established to reduce the time required for the completion of college work.

This program will enable students entering from high schools to complete what has formerly been considered a four-year college program in two and two-thirds years. Under special guidance the students entering The George Washington University will be assisted to plan their study so that, should it become necessary for them to enter the armed forces, the civilian public service, or a war production industry before they are graduated, they will be better prepared to make their contributions to the war effort.

PREPARATION FOR THE ARMED SERVICE

To meet the needs of the training program of the Armed Forces, the University offers a full program of pre-induction courses for men not yet called to service. The Office of the Junior College is prepared to furnish full information regarding selective service regulations, opportunities for enlistment in the Armed Forces, and war service opportunities for both men and women.

Through its Division of Extension, the University is offering intensive courses that prepare for war service, such as: Pre-flight Aeronautics; Industrial Camouflage; Cryptanalysis; and Japanese, Chinese, Russian, Arabic, and Turkish.

DIETETICS TRAINING FOR NAVY NURSES

The Department of Home Economics of the School of Education, in cooperation with the Nurse Corps of the United States Navy, provides a special course in Dietetics for Navy Nurses who are preparing for hospital assignments as dietitians. Subjects include Quantity Cookery, Institutional Management, Food Sanitation, Diet Therapy, Special Diet Preparation, and Nutrition.

PREPARATION FOR WARTIME BUSINESS OR THE PUBLIC SERVICE

Administrative Assistants Curriculum.—Recognizing the need for office executives and that college women are being called upon to assume the responsibilities of many men who enter the Armed Service, the University has established a curriculum to train administrative assistants. This training is offered in two-year terminal curricula as well as in the curriculum leading to the Bachelor of Science degree.

Latin American Program.—The University is offering courses in Spanish and Portuguese, and in Latin American literature, geography, economics, history, and political science.

ENGINEERING WAR TRAINING PROGRAM

The School of Engineering of The George Washington University was the first school in the country to offer courses in Engineering, Science, and Management War Training in cooperation with the United States Office of Education. Since December 1940, when the program was inaugurated, 10,000 students have received training in 234 different courses in this University under this program. At this time some forty courses are offered, which include such subjects as map making, construction, higher structures, general engineering drafting, building construction, tool design, ship construction, mathematics, radio, electric motors, and circuit analysis. This work is offered in the evening on a part-time basis in three terms of fifteen weeks each, throughout the year.

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THE UNIVERSITY CALENDAR

1944							1945													
July							January							July						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
..	..	..	..	..	..	1	..	1	2	3	4	5	6	1	2	3	4	5	6	7
2	3	4	5	6	7	8	7	8	9	10	11	12	13	8	9	10	11	12	13	14
9	10	11	12	13	14	15	14	15	16	17	18	19	20	15	16	17	18	19	20	21
16	17	18	19	20	21	22	21	22	23	24	25	26	27	22	23	24	25	26	27	28
23	24	25	26	27	28	29	28	29	30	31	..	..	..	29	30	31	..	..	..	..
30	31	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
August							February							August						
..	..	1	2	3	4	5	..	..	..	..	1	2	3	..	..	..	1	2	3	4
6	7	8	9	10	11	12	4	5	6	7	8	9	10	5	6	7	8	9	10	11
13	14	15	16	17	18	19	11	12	13	14	15	16	17	12	13	14	15	16	17	18
20	21	22	23	24	25	26	18	19	20	21	22	23	24	19	20	21	22	23	24	25
27	28	29	30	31	..	..	25	26	27	28	..	..	..	26	27	28	29	30	31	..
September							March							September						
..	..	..	..	..	1	2	..	..	..	..	1	2	3	..	..	..	..	..	..	1
3	4	5	6	7	8	9	4	5	6	7	8	9	10	2	3	4	5	6	7	8
10	11	12	13	14	15	16	11	12	13	14	15	16	17	9	10	11	12	13	14	15
17	18	19	20	21	22	23	18	19	20	21	22	23	24	16	17	18	19	20	21	22
24	25	26	27	28	29	30	25	26	27	28	29	30	31	23	24	25	26	27	28	29
..	..	..	..	..	..	..	..	..	..	..	..	..	..	30	..	..	..	..	..	..
October							April							October						
1	2	3	4	5	6	7	1	2	3	4	5	6	7	..	1	2	3	4	5	6
8	9	10	11	12	13	14	8	9	10	11	12	13	14	7	8	9	10	11	12	13
15	16	17	18	19	20	21	15	16	17	18	19	20	21	14	15	16	17	18	19	20
22	23	24	25	26	27	28	22	23	24	25	26	27	28	21	22	23	24	25	26	27
29	30	31	..	..	..	..	29	30	..	..	..	..	..	28	29	30	31	..	..	..
November							May							November						
..	..	..	1	2	3	4	..	..	1	2	3	4	5	..	..	..	1	2	3	4
5	6	7	8	9	10	11	6	7	8	9	10	11	12	4	5	6	7	8	9	10
12	13	14	15	16	17	18	13	14	15	16	17	18	19	11	12	13	14	15	16	17
19	20	21	22	23	24	25	20	21	22	23	24	25	26	18	19	20	21	22	23	24
26	27	28	29	30	..	..	27	28	29	30	31	..	..	25	26	27	28	29	30	..
December							June							December						
..	..	..	..	..	1	2	..	..	..	..	1	2	3	..	..	..	..	..	1	2
3	4	5	6	7	8	9	3	4	5	6	7	8	9	2	3	4	5	6	7	8
10	11	12	13	14	15	16	10	11	12	13	14	15	16	9	10	11	12	13	14	15
17	18	19	20	21	22	23	17	18	19	20	21	22	23	16	17	18	19	20	21	22
24	25	26	27	28	29	30	24	25	26	27	28	29	30	23	24	25	26	27	28	29
31	..	..	..	..	..	..	..	..	..	..	..	..	..	30	31	..	..	..	..	..

THE UNIVERSITY CALENDAR *

1944-45

Date	Day	Occasion
1944		
FALL TERM:		
Sept. 11-27....	.....	Pre-registration period for the fall term
Sept. 19.....	Tuesday	Fall Convocation
*Sept. 27.....	Wednesday	Meeting of the University Faculty
		Examinations for students who wish to qualify for advanced courses
Sept. 28.....	Thursday	Registration of new students
Sept. 29 and 30..	Friday and Saturday..	Registration of former students
Oct. 2.....	Monday	Academic year begins
Oct. 12.....	Thursday	Stated meeting of the Board of Trustees
Oct. 14.....	Saturday	Foreign-language examinations for candidates for the degree of Master of Arts
		Last day for registration for credit for the fall term
		Last day on which candidates may file thesis subjects for the Master's degrees conferred in February
Oct. 28.....	Saturday	Last day on which candidates may file thesis subjects for the degrees of Doctor of Philosophy and Doctor of Education to be conferred the following May
Nov. 23-25....	Thursday through Saturday	Thanksgiving recess
Dec. 5.....	Tuesday	Meeting of the Academic Council
Dec. 14.....	Thursday	Stated meeting of the Board of Trustees
Dec. 23-Jan. 1..	Saturday through Monday	Christmas recess
1945		
Jan. 2.....	Tuesday	Classes resume
		Last day for applications for degrees and Junior Certificates to be conferred in February

* The accelerated program requires the School of Medicine and the Law School to arrange schedules differing from that of the other colleges and schools. Opening and closing dates for these schools are stated following the University calendar. Detailed calendars for these schools are in their respective separate bulletins.

† Beginning September 25, Monday, members of the Faculty will keep office hours for the benefit of those who wish to consult about educational programs.

THE UNIVERSITY CALENDAR—Continued

Date	Day	Occasion
Jan. 2.....	Tuesday	Last day for receiving theses of candidates for the degrees of Doctor of Philosophy and Doctor of Education to be conferred in February
Jan. 15-27.....	.....	Pre-registration period for the winter term
Jan. 18.....	Thursday	Last day of classes for the fall term
Jan. 19-27.....	Friday through Saturday	Fall term examination period
Jan. 22.....	Monday	Last day for receiving theses of candidates for the Master's degrees to be conferred in February
WINTER TERM:		
Jan. 29.....	Monday	Examinations for students who wish to qualify for advanced courses
Jan. 31 and Feb. 1.....	Wednesday and Thursday	Registration for the winter term
Feb. 2.....	Friday	Classes resume for the winter term
Feb. 3.....	Saturday	Foreign-language examinations for candidates for the Master's degrees
Feb. 8.....	Thursday	Stated meeting of the Board of Trustees
Feb. 16.....	Friday	Last day for registration for credit for the winter term
		Last day on which candidates may file thesis subjects for the Master's degrees to be conferred in May
Feb. 22.....	Thursday	Winter Convocation. Holiday
March 1.....	Thursday	Applications for fellowships for 1945-46 should be filed
March 8.....	Thursday	Stated meeting of the Board of Trustees
March 27.....	Tuesday	Meeting of the University Faculty
March 30 and 31	Friday and Saturday..	Easter recess
April 14.....	Saturday	Pan American Day Convocation
April 19.....	Thursday	Last day for receiving theses of candidates for the degrees of Doctor of Philosophy and Doctor of Education to be conferred in May

THE UNIVERSITY CALENDAR—Continued

Date	Day	Occasion
April 19.....	Thursday	Last day on which candidates may file thesis subjects for the degrees of Doctor of Philosophy and Doctor of Education to be conferred the following February
May 1.....	Tuesday	Last day for applications for degrees and Junior Certificates to be conferred in May
May 5.....	Saturday	Meeting of the Academic Council Foreign-language examinations for candidates for the degree of Master of Arts
May 7.....	Monday	Last day for receiving theses of candidates for the Master's degrees and for the professional degrees in Engineering to be conferred in May
May 14.....	Monday	Applications for scholarships for 1945-46 should be filed
May 14-June 2.....	.....	Pre-registration period for the summer term
May 15.....	Tuesday	Last day of classes for the winter term
May 16-26....	Wednesday through Saturday	Winter term examination period
May 24.....	Thursday	Annual Meeting of the Board of Trustees
May 27.....	Sunday	Baccalaureate Sermon
May 30.....	Wednesday	Memorial Day. Commencement
SUMMER TERM:		
June 4.....	Monday	Registration for the first session of the summer term
July 4.....	Wednesday	Independence Day. Holiday
July 25.....	Wednesday	First summer session ends
July 26.....	Thursday	Registration for the second session of the summer term
Sept. 3.....	Monday	Labor Day. Holiday
Sept. 14.....	Friday	Second summer session ends
Sept. 27, 28, and 29.....	Thursday, Friday, and Saturday	Registration for the fall term of the academic year 1945-46

THE SCHOOL OF MEDICINE

Date	Day	Occasion
1944		
FALL TERM:		
Sept. 18.....	Monday	Fall term begins
1945		
Dec. 25-Jan. 6.	Monday through Sat- urday	Christmas Recess
Jan. 22-27.....	Monday through Sat- urday	Fall-term examinations
WINTER TERM:		
Feb. 5.....	Monday	Winter term begins
June 4-7.....	Monday through Sat- urday	Winter-term examinations

THE SCHOOL OF LAW

Date	Day	Occasion
1944		
FALL TERM		
Oct. 2.....	Monday	Fall term begins
Nov. 24 and 25.	Friday and Saturday..	Mid-term examinations
Dec. 23-Jan. 1.	Saturday through Monday	Christmas recess
1945:		
Jan. 26-Feb. 1.	Friday through Thurs- day	Final examinations
WINTER TERM:		
Feb. 2.....	Friday	Winter term begins
March 28 and 29	Wednesday and Thurs- day	Mid-term examinations
May 21-26....	Monday through Sat- urday	Final examinations
SUMMER TERM:		
June 4.....	Monday	First summer session begins
July 28.....	Saturday	First summer session ends
July 30.....	Monday	Second summer session begins
Sept. 22.....	Saturday	Second summer session ends

OFFICERS AND COMMITTEES
OF THE UNIVERSITY

THE BOARD OF TRUSTEES

The Board of Trustees of the University is composed of the President of the University ex officio and the following persons by election:

1944

Avery DeLano Andrews, B.S., LL.B.; Winter Park, Florida
Clarence Aiken Aspinwall; 1140 Fifteenth Street
Henry Parsons Erwin, A.B.; Hibbs Building
Mrs. Joshua Evans, Jr., A.B., Ed.D.; 3405 Lowell Street
*Robert Elliott Freer, A.B., LL.M.; Federal Trade Commission
John Edgar Hoover, LL.M., LL.D.; United States Department of Justice
*Alexander Wilbourne Weddell, LL.B., Litt.D., LL.D.; Virginia House, Richmond, Virginia
Walter Rupert Tuckerman, A.B., LL.B.; 5415 Edgemoor Lane, Bethesda, Maryland
Chester Wells, B.S., Graduate United States Naval War College; Jones Mill Road, Chevy Chase, Maryland

1945

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† On leave of absence 1944-45.

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CHARLES AURELIUS SCHUTZ, M.D. <i>Clinical Professor of Pediatrics</i>	3422 Garfield St.

• On war leave 1944-45.

‡ On leave of absence 1944-45.

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† On leave of absence 1944-45.

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* On war leave 1944-45.

‡ On leave of absence 1944-45.

THE UNIVERSITY

HISTORY AND ORGANIZATION

HISTORY

The idea of a university located in the Capital of the Nation was sponsored by George Washington, who during his public life urged the establishment of such an institution and who in his will left fifty shares of stock in the Potomac (Canal) Company for the endowment of a university to be established in the District of Columbia "to which the youth of fortune and talents from all parts thereof might be sent for the completion of their Education in all the branches of polite literature;— in arts and Sciences,—in acquiring knowledge in the principles of Politics & good Government".

It was George Washington's hope that the "General Government" would extend toward such an institution "a fostering hand". No steps were taken by Congress to carry out the provision of Washington's will, and the stock that he had bequeathed for the establishment of a university in the District of Columbia became valueless owing to the failure of the Potomac Canal properties.

Meanwhile, however, a movement was started by private persons under the leadership of Luther Rice to establish an institution of higher learning at the seat of the National Government for the education of the Baptist ministry and to afford general collegiate training. In 1819 an association was formed by Luther Rice, Obadiah B. Brown, Spencer H. Cone, and Enoch Reynolds for the purpose of raising funds to buy land for the use of the college.

A group of the Nation's leaders who were especially interested in Washington's idea became patrons of the college and contributed to funds raised for the purchase of land and erection of buildings. Among them were James Monroe, President of the United States; William H. Crawford, Secretary of the Treasury; John C. Calhoun, Secretary of War; William Wirt, Attorney General; Return J. Meigs, Postmaster General; and thirty-two members of the Congress.

Legally to implement the college a petition was made to Congress for the incorporation of "the General Convention of the Baptist Denomination in the District of Columbia for evangelical and literary purposes". This petition was denied by Congress, on April 26, 1820, because of its sectarian character.

Failing to obtain a denominational charter, members of the association enlarged their objective to embrace national aims, and with the sponsorship of Government leaders there was presented in Congress a bill for the incorporation of "the Columbian Society for literary purposes", it being proposed to realize in this way "the aspirations of Wash-

ington, Jefferson and Madison for the erection of a university at the seat of the federal government".

Acting upon this second petition, on February 9, 1821, Congress chartered Columbian College in the District of Columbia, inserting in the charter by special action the provision "That persons of every religious denomination shall be capable of being elected Trustees; nor shall any person, either as President, Professor, Tutor or pupil, be refused admittance into said College or denied any of the privileges, immunities or advantages thereof, for or on account of his sentiments in matters of religion".

Thus Columbian College in the District of Columbia was chartered by Congress as one of the early nonsectarian institutions of higher learning in the United States, under the distinguished favor of President James Monroe and members of his Cabinet.

A tract of approximately forty-seven acres, extending about one-half mile northwest of Boundary Street (Florida Avenue) between 14th and 15th Streets, was purchased and by 1822 the main building was completed sufficiently to use.

Two years later, when the first Commencement was held on December 15, 1824, Congress and the Supreme Court adjourned their sessions to enable their members to attend the exercises. President Monroe, John Quincy Adams, John C. Calhoun, Henry Clay, and the Marquis de Lafayette headed the eminent company in attendance.

The School of Medicine, established in 1821, was formally opened in 1825 and has been in continuous operation since that time. The Law School, organized in 1826, was discontinued the following year, and was reestablished in 1865. It is the oldest law school in Washington.

By an act of Congress of March 3, 1873, the name of the college was changed to "Columbian University", in recognition of the enlarged scope of the institution. The following year the University was moved from its first location on "College Hill", now Columbia Heights, to the new University Hall built for it at Fifteenth and H Streets. Near-by buildings accommodated the School of Medicine.

For a period of six years, from 1898 to 1904, the University was placed under control of the Baptist Denomination. In 1904 an act restoring the original secular character of the University and authorizing change of name to The George Washington University was passed by Congress.

Subsequently all the colleges, schools, and divisions of the University except the School of Medicine, which is situated on H Street between Thirteenth and Fourteenth Streets NW., were brought together at the present location in the city block bounded by Twentieth, Twenty-first, G, and H Streets NW., and in the blocks adjacent.

In 1930 a new plan of academic organization for the liberal arts work was effected. The Junior College was established, comprising the

work of the freshman and sophomore years. The junior and senior years were retained in Columbian College, which was designated the senior college of letters and sciences. As a further step, the year of study leading to the Master's degree was separated from the graduate work for the Doctor's degree and assigned to Columbian College. The Graduate Council was organized to administer the work for the degree of Doctor of Philosophy. These innovations were accompanied by the establishment of a carefully controlled independent study plan, the grouping of departments of instruction under the divisional type of organization, and the institution of a new plan of administration both for the undergraduate major and for the Master's work.

THE COLLEGES, SCHOOLS, AND DIVISIONS

The George Washington University includes thirteen colleges, schools, and divisions, as follows: the Junior College; Columbian College, the senior college of letters and sciences; the Graduate Council; the School of Medicine; the Law School; the School of Engineering; the School of Pharmacy; the School of Education; the School of Government; the Division of University Students; the Division of Extension; the Inter-American Center; and the Summer Sessions.

ACADEMIC STATUS

The George Washington University is on the approved list of the Association of American Universities, the standard accrediting body for the United States. This fact not only assures to students the academic standards of this accrediting body, but also is important to those who desire to transfer credits from one institution to another.

The University is also accredited by its regional accrediting agency, the Middle States Association of Colleges and Secondary Schools, and is on the approved list of the American Association of University Women.

The Law School is a charter member of the Association of American Law Schools and is approved by the Council of Legal Education of the American Bar Association. The School of Medicine is a member of the Association of American Medical Colleges, is one of the medical colleges which have been designated continuously as "class A" by the American Medical Association, and is accredited for all its work by the Combined (Royal) Medical Examining Boards in England. The School of Pharmacy is accredited by the American Council on Pharmaceutical Education and is a member of the American Association of Colleges of Pharmacy. The School of Engineering is on the accredited list of the Engineers' Council for Professional Development.

LOCATION

The George Washington University is in downtown Washington, four blocks west of the White House and east of the Potomac River with its extensive parkway. Within a few blocks are many of the departments of the Government, including the Department of State, the Department of the Treasury, the Department of War, the Department of Justice, the Department of the Navy, the Department of the Interior, the Department of Agriculture, the Department of Commerce, and the Department of Labor. The Corcoran Gallery of Art, the Pan American Union Building, and the National Academy of Sciences are also near by, and the Capitol, the Library of Congress, and the National Gallery of Art are readily accessible to the University.

GOVERNMENT

The government and general educational management of The George Washington University are vested in a self-perpetuating Board of Trustees, with the President of the University as member ex officio. The members of the Board are named for a period of three years and are divided into three classes. The members of one class are elected at each annual meeting to fill the places of the members whose terms of office expire. Two members of each class are nominated by the Alumni Association.

ENDOWMENT

The endowment of the University is \$2,525,000.

EDUCATIONAL FACILITIES

BUILDINGS

Buildings, grounds, and equipment are valued at approximately \$6,000,000.

The buildings of the Junior College, Columbian College, the Graduate Council, the Law School, the School of Engineering, the School of Pharmacy, the School of Education, the School of Government, and the Division of University Students are grouped in the vicinity of Twenty-first and G Streets NW. The School of Medicine, the University Hospital, and the Dispensary are situated at Fourteenth and H Streets NW. The buildings of the University are as follows:

Corcoran Hall, 725 Twenty-first Street. Named in honor of the late William W. Corcoran, benefactor of the University and a former member of the Board of Trustees. Office of the Comptroller; offices of the School of Pharmacy; the School of Engineering; the chemistry, electrical engineering, pharmacy, and physics laboratories; classrooms.

Faculty Club House, 714 Twenty-first Street.

Gymnasium, 2010-12 H Street. Offices of the Department of Physical Education for Men.

Hall of Government, 710 Twenty-first Street. The gift of Mrs. Henry Alvah Strong, Trustee of the University. Offices of the School of Government; of the departments of Business Administration, Economics, History, Political Science, and Statistics.

Hospital and Dispensary, 1339 H Street.

International House, 2121 G Street. Offices of the Adviser to Students from Foreign Countries and the Director of the Inter-American Center; club rooms.

Lisner Auditorium, 730 Twenty-first Street. The gift of Abram Lisner, late Trustee of the University. The Auditorium; offices and classrooms of the Department of Speech.

Mechanical Engineering Building, 735 Twenty-first Street. Offices of the School of Engineering; engineering testing laboratories, general laboratories, drafting rooms, and classrooms.

Office of the President, 2003 G Street.

School of Medicine, 1335 H Street. Offices of the Staff of the School of Medicine; anatomy, bacteriology, biochemistry, histology and embryology, pathology, pharmacology, and physiology laboratories; the Medical Library; lecture rooms; classrooms; students' rooms.

Sorority Halls:

2129 G Street, Apartments of Pi Beta Phi, Sigma Kappa, Phi Mu, Alpha Delta Pi, Delta Zeta, Zeta Tau Alpha, and Kappa Kappa Gamma sororities.

802 Twenty-first Street, Apartments of Chi Omega and Kappa Delta sororities.

Stockton Hall, 720 Twentieth Street. Named in honor of the late Rear Admiral Charles Herbert Stockton, President of the University from 1910 to 1918. Offices, library, and lecture halls of the Law School.

Staughton Residence Hall for Women, 707 Twenty-second Street. Named in honor of William Staughton, the first President of the University (1821-1827).

- Strong Residence Hall for Women, 620 Twenty-first Street. Named in honor of the donor, Mrs. Henry Alvah Strong.
- University Library, 2023 G Street. The gift of Abram Lisner, late Trustee of the University. The library; rooms of the Board of Trustees and the Graduate Council.
- Woodhull Building, 2033 G Street. Gift of the late General Maxwell Van Zandt Woodhull, former Trustee of the University. Offices of the Director of Personnel Guidance, the Alumni Secretary; University Women's Club.
- Building A, 2026 G Street. Offices of the department of Romance Languages.
- Building B, 2024 G Street. Laboratories and classrooms of the Department of Home Economics.
- Building C, 2029 G Street. Offices of the Registrar, the Director of Admissions, the Dean of the Junior College, and the Dean of Columbian College; offices and laboratories of the departments of Biology, Botany, and Zoology; the Student Club; classrooms.
- Building D, 2013 G Street. Offices of the Dean of University Students, the Dean of the School of Education, and the Business Manager; offices of the departments of Art, Classical Languages, Education, English, Germanic Languages, Mathematics, Philosophy, Psychology, and Secretarial Studies; classrooms.
- Building F, 700 Twentieth Street. Office of the Director of the Division of Extension; office of student publications.
- Building G, 712 Twentieth Street. Offices of the University Physician for Women and of the Department of English.
- Building H, 714-16 Twentieth Street. Offices and locker rooms of the Department of Physical Education for Women.
- Building J, 2131 G Street (rear). Engineering drafting rooms; heating and ventilating, soils, mechanics, and welding laboratories.
- Building K, 2131 G Street. Office of the Adviser for Women's Activities; Student Council; student organizations.
- Buildings L and M, 716-718 Twenty-first Street. Pharmacy research laboratories.

THE UNIVERSITY LIBRARY

The University Library contains more than 150,000 volumes. The well equipped Library building houses all of the library except the law and medical collections. Over 5,000 bound volumes are added annually, and approximately 750 periodicals and publications of learned societies are received currently. Among the special collections of the Library are the Richard Heinzel Collection of Germanic philology and literature; the Curt Wachsmuth Collection of Greek and Roman literature, archeology and history; the Mount Vernon Collection on political history, international law, and the social sciences; a representative collection of Spanish American books, the gift of the governments of Hispanic America; the Chauncey Mitchell Depew Public Speaking Collection, the gift of the late Mrs. Depew; and the Art Collection, which contains about 1,000 volumes made available by the American Institute of Architects, and the 7,500 mounted photographs of the Russell Sturgis Collection.

OTHER LIBRARY FACILITIES

The student has access also to the Library of Congress; the Public Library of the District of Columbia and its branches; the Library of the Carnegie Endowment for International Peace; the Library of the Pan American Union; the Library of the Bureau of Railway Economics; the Library of the United States Department of Agriculture, with its scientific departmental collections; the Library of the United States Office of Education; the Army Medical Library; the Library of the Smithsonian Institution; and many of the other great special collections of the government departments.

GOVERNMENTAL INSTITUTIONS ACCESSIBLE TO STUDENTS

The Congress of the United States has made the scientific resources of the Government accessible to students under the terms of the following joint resolution, approved April 12, 1892:

Resolved by the Senate and House of Representatives of the United States of America, in Congress assembled, That the facilities for research and illustration in the following and any other Governmental collections now existing or hereafter to be established in the city of Washington for the promotion of knowledge shall be accessible, under such rules and restrictions as the officers in charge of each collection may prescribe, subject to such authority as is now or may hereafter be permitted by law, to the scientific investigators and to students of any institution of higher education now incorporated or hereafter to be incorporated under the laws of Congress or of the District of Columbia, to wit:

- One. Of the Library of Congress.
- Two. Of the National Museum.
- Three. Of the Patent Office.
- Four. Of the Bureau of Education.
- Five. Of the Bureau of Ethnology.
- Six. Of the Army Medical Museum.
- Seven. Of the Department of Agriculture.
- Eight. Of the Fish Commission.
- Nine. Of the Botanic Gardens.
- Ten. Of the Coast and Geodetic Survey.
- Eleven. Of the Geological Survey.

ADMISSION

All departments of the University accept men and women.

Students may enter any college, school, or division of the University except the School of Medicine at the beginning of the fall term, the winter term, or either session of the summer term.

Entrance to the School of Medicine in 1944-45 is permitted only at the opening of terms beginning in September 1944 and June 1945.

GENERAL ADMISSION REQUIREMENTS

The following factors are considered in determining the eligibility of an applicant for admission:

1. The adequacy of previous academic work as preparation for the course of study now contemplated—including quantity and quality of work and the standing of the institution in which it was done.
2. The aptitude of the student for the course contemplated.
3. The character of the student.

The University reserves the right to refuse admission to any student who has a previous academic record of such grade as to create doubt of his ability to pursue college work successfully, or who for any other reason would not be a desirable student.

APPLICATION FOR ADMISSION

An applicant for admission must obtain from the Office of the Director of Admissions an application blank which he must fill out completely and return.

A recent photograph, with signature, of the applicant must be attached to the blank.

To insure prompt action, applications should be filed not later than July 1 for the fall term, January 1 for the winter term, and May 1 for the summer term. Applications for admission to the School of Medicine should be filed as far in advance as possible because qualified applicants far outnumber the capacity of the School.*

An applicant from a secondary school must send the high school record form provided by the University to his high school principal with the request that the principal fill out the form and mail it *direct* to the Office of the Director of Admissions.

An applicant who has previously attended an institution of higher learning must request the registrar of that institution to mail directly

* A fee of \$3 to defray the costs of completing the records for final consideration for admission to the School of Medicine must accompany each application.

to the Office of the Director of Admissions a transcript of his record. If he has attended more than one such institution he must request the registrar of each institution to send to the Office of the Director of Admissions a transcript of his record, *even though credits were not earned*, together with an honorable dismissal from the institution last attended.

METHODS OF ADMISSION

FROM SECONDARY SCHOOLS

An applicant from a secondary school may be admitted by certificate or examination.

By Certificate

A certificate of graduation with a minimum of fifteen "units"* from an accredited secondary school and the recommendation from the principal of the secondary school that the applicant is prepared to undertake college work will be accepted subject to the following conditions:

1. If the school is accredited by the regional accrediting association, the student must rank not lower than the fourth fifth of his class.

2. If the school is not listed by the regional accrediting association, but has been accredited by the state accrediting agency, the student must rank in the upper two fifths of his class. The Committee on Admission and Advanced Standing may review the case of a student in the third or fourth fifth and, when such action is warranted by evidence of progress in the last two years of work, may permit such a student to take a special aptitude test, from the results of which the committee will determine his eligibility or ineligibility.

By College Entrance Board Examinations

An applicant who cannot be admitted by certificate may qualify by passing satisfactorily College Entrance Board examinations as prescribed by the Director of Admissions. These examinations are given at The George Washington University on September 6, 1944; December 2, 1944; April 7, 1945; and June 2, 1945.

Arrangements for the examinations should be made with the College Entrance Examination Board, 431 West 117th Street, New York City, not less than one month before the date of the examinations.

FROM HIGHER INSTITUTIONS†

An applicant for advanced standing is admitted upon the presentation of satisfactory credentials from an accredited institution of higher learning. The student must be in good standing as to scholarship and conduct,

* A unit represents a year's study in a secondary school subject, including in the aggregate not less than 120 sixty-minute periods of prepared classroom work.

† The University reserves the right to refuse advance credit in whole or in part, or to allow it provisionally. Credit so given may be withdrawn for subsequent poor work.

and must be eligible to return to the previously attended institution in the term for which he seeks admission to this University.

If the transcript of record from such an institution includes the record of his secondary school work, it is not necessary for the applicant to have forwarded a separate record directly from the principal of the secondary school. High school work is considered only as fulfilling entrance requirements; it is never credited toward advanced standing.

Properly certified courses taken at accredited colleges or universities may be applied toward a degree at this University, subject to the curriculum requirements and regulations of the school or college to which admission is sought. Work of low pass grade (such as *D* or the equivalent) may not be considered for transfer.

ENTRANCE REQUIREMENTS

THE JUNIOR COLLEGE

An acceptable certificate of graduation from an accredited secondary school, or the satisfactory passing of College Entrance Board examinations selected with the approval of the Director of Admissions is required. (See "Methods of Admission".)

Distribution of Units for All Curricula except Premedical.—Except for admission to the premedical curriculum, certification by the principal that the student has satisfied all curriculum requirements of the school will be accepted in lieu of any prescribed distribution of units. Attention is called, however, to the necessity of completing stated prerequisite studies during the secondary school period for admission to certain curricula. For a statement of the foreign-language requirements, see page 54.

Distribution of Units for the Premedical Curriculum.—The several state medical boards govern the granting of licenses to practice; hence their requirements as to high school credits must be met exactly. The fifteen units required must include three in English, two in one foreign language, one in algebra, one in geometry, one in history, and one in science (botany, chemistry, physics, or zoology). Eleven of the units offered must be in the above subjects.

COLUMBIAN COLLEGE (THE SENIOR COLLEGE)

Two years of Junior College work leading to the Junior Certificate, or the lower-division work in institutions not organized on the junior-senior-college plan, following a specified curriculum, meet the minimum requirements of Columbian College. In addition, however, scholarship requirements for admission may be set somewhat higher than those for graduation from the Junior College.

For the Bachelor's Degrees

Bachelor of Arts.—A Junior Certificate based on curriculum A-I* in the Junior College, or the equivalent (see page 52 and table facing page 56), is required.

Bachelor of Science.—A Junior Certificate based on curriculum A-II in the Junior College, or the equivalent (see page 52 and table facing page 56), is required.

For the Master's Degrees

An approved Bachelor's degree from an accredited higher institution is required. A student from an unaccredited institution may be admitted at the discretion of the Committee on Admission and Advanced Standing, but he will be required to take such extra work above the minimum requirements as may be prescribed. A superior quality of work in the major field is essential.

Applications for admission must be approved by the department or division and by the Dean.

Master of Arts.—The student's undergraduate curriculum must include a program of study substantially equivalent to a major in his chosen field, together with an appropriate distribution of courses in other fields, or he must complete this prerequisite work in addition to that required for the Master's degree.

Master of Science.—The student's undergraduate curriculum must include the equivalent of the undergraduate major of the scientific department under which he desires to work.

THE GRADUATE COUNCIL

Doctor of Philosophy.—The student must possess an adequate academic preparation for advanced study in the proposed field, as evidenced by approved Bachelor's and Master's degrees, or the equivalent, together with acceptable personal qualities and capacity for creative work.

THE SCHOOL OF MEDICINE

Doctor of Medicine.—Sixty credit hours of work, exclusive of physical education, in an accredited higher institution are required. Premedical college requirements must be completed.

Specific Educational Requirements

SECONDARY SCHOOL REQUIREMENTS

Of the fifteen secondary school units required, three must be in English, two in one foreign language (ancient or modern), one in algebra,

* A Junior Certificate based on curriculum A-II is acceptable for the combined Bachelor of Arts and Doctor of Medicine degrees. For details see "Curriculum Requirements", under Columbian College.

one in geometry, one in history, and one in science (botany, chemistry, physics, or zoology). Eleven of the units offered must be in English, foreign language, mathematics, science, and history.

PREMEDICAL COLLEGE REQUIREMENTS

SIXTY CREDIT HOURS

1. Chemistry, sixteen credit hours as follows: (a) eight credit hours in general inorganic chemistry, of which at least four credit hours are laboratory work (qualitative analysis may be counted as general inorganic chemistry); (b) eight credit hours or a one-year college course of organic chemistry, including laboratory work.
2. Physics, eight credit hours, of which at least two credit hours are laboratory work. It is recommended that this course be preceded by one in trigonometry.
3. Biology, eight credit hours, of which at least four credit hours are laboratory work. This requirement may be satisfied by a course of eight credit hours in either general biology or zoology, or by four credit hours each in zoology and botany, but not by botany alone.
4. English composition and literature, six credit hours: the usual introductory college course or the equivalent. The student should develop facility in speaking and writing English.
5. Modern foreign language: a reading knowledge, preferably of French or German.
6. Electives. It is recommended that the remaining credit hours required include: (a) comparative vertebrate anatomy; (b) qualitative and quantitative chemical analysis; (c) social science and psychology.

Advanced Standing

A student who has satisfactorily attended one or two years at any other "class A" medical school, and who has the necessary preliminary educational requirements, may be admitted to advanced standing.

THE LAW SCHOOL

For the Degrees in the Professional Course

Bachelor of Laws.—During the present national emergency, not less than one half the work necessary for graduation from an approved college or university is required.

Juris Doctor.—The degree of Bachelor of Arts or the equivalent from an approved college or university is required.

ADVANCED STANDING

Advanced standing toward the degree of Bachelor of Laws may be granted only for work successfully completed in other law schools which are members of the Association of American Law Schools.

Advanced standing toward the degree of Juris Doctor will not be granted for work in other law schools.

For the Degrees in the Graduate Course

Master of Laws.—Not less than two years of college work in an approved college or university and the degree of Bachelor of Laws from an approved law school are required.

Doctor of Juridical Science.—The following are required: (1) the degree of Juris Doctor from this Law School; or (2) the degree of Bachelor of Arts from an approved college, the degree of Bachelor of Laws or the equivalent, earned with high rank, from an approved law school, outstanding capacity for scholarly work in the field of law, and acceptance as a candidate by the Dean's Council of the Law School.

Unclassified Students

A person eligible for admission to regular standing but not a candidate for a degree may, at the discretion of the Dean, be admitted as an unclassified student.

A person who is in good standing as a candidate for a degree in another approved law school may, at the discretion of the Dean, be admitted as an unclassified student. Work taken by an unclassified student will not be accepted for credit toward a degree at this Law School.

THE SCHOOL OF ENGINEERING

Bachelor of Civil Engineering, Bachelor of Electrical Engineering, Bachelor of Mechanical Engineering, Bachelor of Science in Engineering.

—An acceptable certificate of graduation from an accredited secondary school, or the satisfactory passing of College Entrance Board examinations in secondary school subjects selected with the approval of the Director of Admissions is required.

Nine and one-half of the fifteen units required for entrance must be distributed as follows: three in English, two in algebra, one in plane geometry, one-half in plane trigonometry, one in physics or chemistry, and two in one foreign language or history. A graduate of an approved high school who does not offer for admission the particular subjects required for the engineering curriculum, but who does present not less than fifteen acceptable units, may be admitted on condition, if such deficiency in the distribution of units does not exceed two units. If the deficiency is more than two units, it is frequently possible to admit an otherwise qualified student to the Junior College (liberal arts college) as an unclassified student for such period as may be necessary to permit him to make up such units by taking college courses designed for this purpose.

THE SCHOOL OF PHARMACY

Bachelor of Science in Pharmacy.—A Junior Certificate based on the curriculum in Pharmacy* in the Junior College, or the equivalent is required.

A student who has received a Bachelor's degree from an accredited institution or who has completed work in the general cultural or foundational subjects of the pharmacy curriculum may be admitted to advanced standing. No more than one year of advanced standing will be granted a student from any institution other than an accredited college of pharmacy.

THE SCHOOL OF EDUCATION

For the Bachelor's Degrees

Bachelor of Arts in Education, Bachelor of Science in Home Economics, Bachelor of Science in Physical Education.—A Junior Certificate based on curriculum D-I,* D-II,* or D-III-IV* in the Junior College, or the equivalent from another accredited higher institution, or a certificate of graduation from an approved normal school or the equivalent is required.

For the Master's Degree

Master of Arts in Education.—A Bachelor's degree from an accredited institution, or the completion of a course of study that is the equivalent is required. A student from an unaccredited institution whose work is judged by the Faculty to be not more than twelve credit hours short of that required for an approved Bachelor's degree may remove his deficiencies while registered for the Master's degree.

For the Doctor's Degree

Doctor of Education.—The degree of Master of Arts in Education or the equivalent, and at least three years of satisfactory educational experience are required.

THE SCHOOL OF GOVERNMENT

For the Bachelor's Degree

Bachelor of Arts in Government.—A Junior Certificate based on curriculum E* in the Junior College, or the equivalent is required.

For the Master's Degree

Master of Arts in Government, Master of Arts in Public Personnel Administration.—A Bachelor's degree from an accredited institution, or evidence of a course of study that is judged by the Faculty to be the

* See pages 52 and 53 and the chart facing page 57.

equivalent is required. A student from an unaccredited institution may be admitted at the discretion of the Dean's Council, but he will be required to take such extra work above the minimum requirements as may be prescribed.

The course of study pursued for the Bachelor's degree must be approved by the Dean as having provided the proper basic training. If this course of study is deemed inadequate, additional undergraduate work will be required. The Dean may permit deficiencies to be made up concurrently with work for the degree. A superior quality of work in the major field of the undergraduate study is required.

THE DIVISION OF UNIVERSITY STUDENTS

The student who is twenty-one years of age or over (or in special cases arising out of the national emergency, nineteen years of age or over) and who has not attended another institution within the year preceding his application to this University may register without filing records.

The student twenty-one years of age or over who has attended another institution within the year preceding application to this University must request a statement of good standing and honorable dismissal from the last institution attended.

The student under twenty-one years of age must submit complete and satisfactory credentials.

In special instances, with the permission of the instructor, a person may be registered as an "auditor" in a class without being required to take active part in the exercises or to pass examinations, but no credit will be allowed for such attendance.

For the adult student who does not present the work of a satisfactory high school certificate, a program of studies of college grade may be outlined by the Office of the Director of Admissions. Such work completed with a grade of at least *C* in the Division of University Students, may be converted into the equivalent of high school units in the ratio of three credit hours to one unit and applied toward the entrance requirements of the college or school to which admission is sought.

CLASSIFICATION OF STUDENTS

REGULAR STUDENTS

Regular students are those who have met the entrance requirements for candidacy and are registered for certificates or degrees.

UNIVERSITY STUDENTS

Persons of mature age, as specified in the rules of the Division of University Students, may be admitted to that Division to pursue courses

for which they have had adequate preparation. In special instances, with the permission of the instructor, a person may register as an auditor in a class without being required to take active part in the exercises or to pass examinations, but no credit will be allowed for such attendance. (See the announcement of the Division of University Students.)

EXTENSION STUDENTS

Persons unable to come to the University who wish to undertake University courses and persons who wish to take intensive courses, not a part of the regular program, may be admitted to the Division of Extension. (See the announcement of the Division of Extension.)

Additional information concerning curricula, courses offered, entrance requirements, or admission procedure may be obtained from the Office of the Director of Admissions.

REGISTRATION

Before a student may be admitted to registration he must have satisfied the Office of the Director of Admissions that he is qualified for entrance to the University. (See "Admission", pages 10-18.)

A student who has previously matriculated in the University, but who has not been in attendance during the term prior to registration, should file an application for readmission in advance of registration.

Registration is for the term unless otherwise indicated on the registration paper. No registration is accepted for less than a term or one summer session.

A student may not register concurrently in The George Washington University and another institution without the permission of the dean of the college, school, or division in which he is registered in The George Washington University. Allowance of credit for work done concurrently will be at the discretion of the appropriate Committee on Admission and Advanced Standing.

TIME AND PLACE OF REGISTRATION

Preregistration.—Students may register between 9:00 A.M. and 8:00 P.M. during the following registration periods: *summer term 1944*, May 19 to June 3; *fall term*, September 11 to 27; *winter term*, January 15 to 27. Preregistration, except for the Law School, is conducted in the Office of the Registrar, Building C, 2029 G Street NW.; for the Law School, in Stockton Hall, 720 Twentieth Street NW.

Registration.—Registration is conducted between 12:00 N and 7:00 P.M. during the following periods: *summer term 1944*, June 5 for the first session, July 27 for the second session; *fall term*, September 28 for new students, September 29 and 30 for former students; *winter term*, January 31 and February 1. Registration, except for the Law School, is conducted in the Hall of Government, 710 Twenty-first Street NW.; for the Law School, in Stockton Hall, 720 Twentieth Street NW.

LATE REGISTRATION

For registration after the stated registration periods, a late-registration fee of \$5 is charged. Registration for credit closes one week after the registration day for each session of the summer term; two weeks after the final registration day for the fall and winter terms.

REGISTRATION CHANGES AND WITHDRAWALS

For regulations governing changes in registrations and withdrawals, see pages 22 and 36 and 37.

FEES AND FINANCIAL REGULATIONS

By authorization of the Board of Trustees, the following fees have been adopted:

UNIVERSITY FEE (see explanation below)	\$8.00
For each term or any part thereof.....	4.00
For each session of the summer term or any part thereof.....	2.00
For auditors,‡ for each registration.....	1.00
For extension students‡.....	1.00

TUITION FEES

For each credit hour for which the student registers (except work taken by a candidate for a Doctor's degree§).....	8.00
For the degree of Doctor of Medicine, for two terms||.....	534.00
For the degree of Doctor of Philosophy:	
For work leading to and including the Council Fellowship examination¶.....	240.00
For work leading to and including the final examinations¶.....	240.00
For the degree of Doctor of Education:	
For work leading to and including the general examination¶.....	240.00
For work leading to and including the final examinations¶.....	240.00
For the degree of Doctor of Juridical Science:	
For work leading to and including the final examinations¶.....	240.00

ADDITIONAL COURSE FEES AND DEPOSITS

In certain courses additional fees and deposits, such as laboratory and material fees and breakage deposits, are charged as indicated in the course descriptions. These fees are charged by the term and, unless otherwise indicated, may be defrayed in three payments when the tuition is paid in this manner. Fees and deposits payable in advance are due in full at the time of registration. Breakage of apparatus is charged against the individual student, and the amount paid in excess of breakage will be credited to the student's account at the end of the course.

GRADUATION FEES	\$20.00
Wherein a degree is granted.....	10.00
Wherein a certificate is granted.....	3.00
FEE FOR BINDING MASTER'S THESIS	3.00

* Students registered for only those courses which extend over a single term of fifteen weeks must pay a University fee of \$8.

‡ Payment of this fee entitles auditors and extension students to the reference use of the University Library facilities, upon identification by the registration card, but it does not entitle auditors or extension students to the other privileges to which payment of the preceding fees entitles resident students.

§ Payment of tuition for the thesis will entitle the candidate, during the academic year of registration, to the advice and direction of the member of the faculty under whom the thesis is to be written. In case a thesis is unfinished, an additional successive academic year may be granted without further tuition payment. If the preparation of the thesis extends beyond the second academic year, it must be registered for again, and tuition paid on the same basis as for a repeated course.

|| Registration in the School of Medicine is for a period of two terms. After the student has entered the courses of instruction, he is obligated for the full tuition for two terms. No part of the tuition will be refunded upon withdrawal or dismissal for any cause.

¶ When a limited schedule is carried which extends the time of either the preparation period or the examination period to more than one year, the proportionate part of the charge may be fixed by the Comptroller.

FEE FOR THE PROFESSIONAL THESIS IN THE SCHOOL OF ENGINEERING. 50.00
An annual fee: one half, plus the University fee, payable in advance at the time of each registration.

FEE FOR PRINTING AND FILING SUMMARY OF DOCTORAL THESIS. 50.00

SPECIAL FEES

Late-registration fee, charged each student who fails to register within the designated period. 5.00
Service fee, charged each student for late payment of tuition (see "Payment of Fees"). 1.00
Reinstatement fee, charged each student who is reinstated after suspension for delinquency in fees. 5.00
For special physical examination. 2.00
For examining admission credentials in the School of Medicine. 3.00
Student Bar Association fee, charged each student in the Law School for each term or any part thereof except the summer term. 2.00
For examinations to qualify for advanced courses and for all special examinations 5.00

UNIVERSITY FEE

Payment of the University fee covers all expenses incident to registration and, in addition, secures to each student the following University privileges: (1) the issuance of three certified transcripts of record, if and when desired; (2) the services of the Placement Office; (3) the use of University library facilities, except as otherwise designated; (4) gymnasium privileges; (5) admission to all athletic contests, unless otherwise specified; (6) subscription to the *University Hatchet*, the student newspaper; (7) admission to University debates; (8) medical attention and hospital services as described under the Department of Health Administration. These privileges, however, with the exception of the issuance of transcripts, terminate, and a student is no longer in residence, when he withdraws or is dismissed from the University.

PAYMENT OF FEES

All fees are payable at the Office of the Cashier, 725 Twenty-first Street NW. No student is permitted to complete registration or to attend classes until all fees are paid. Fees for each term are due and payable in advance at the time of registration.

In exceptional cases, subject to the approval of the Comptroller, the student may sign a contract for term charges, except for the University fee and other fees payable in advance, permitting payments as follows:

Summer Term 1944.—One third at the time of registration, plus the University fee and deposits; one third on July 10; and one third on August 14.

Fall Term.—One third at the time of registration, plus the University fee and deposits; one third on November 3; one third on December 4.

Winter Term.—One third at the time of registration, plus the University fee and deposits; one third on March 5; one third on April 3.

During the summer term a student who fails to meet payments when due, on July 10 and August 14, but who pays his fees between July 11 and July 14 and between August 15 and August 18, is charged a service fee of \$1. A student who fails to make these payments by July 14 and August 18 will be suspended and may not attend classes until he has been officially reinstated and has paid all accrued fees and a reinstatement fee of \$5.

During the fall and winter terms a student who fails to meet payments when due, but who pays his fees on or before the tenth day of the month in which payment is due, is charged a service fee of \$1. A student who fails to meet payments by the tenth day of the month in which payment is due will be suspended and may not attend classes until he has been officially reinstated and has paid all accrued fees and a reinstatement fee of \$5.

A suspended student may not be reinstated for the term after two weeks from the date of suspension. Applications for reinstatement are to be made to the dean of the college, school, or division in which the student is registered.

An auditor pays a University fee of \$2 and all other fees chargeable to the student registered for credit except the late-registration fee.

WITHDRAWALS AND REFUNDS

Application for withdrawal from the University or for change in class schedule must be made in person or in writing to the dean of the college, school, or division in which the student is registered. Notification to an instructor is not an acceptable notice (see "Withdrawal," page 36).

In authorized withdrawals and changes in schedules, financial adjustments will be made as follows:

Summer Term 1944.—Withdrawal dated on or before July 7, cancellation of the second and third payments; withdrawal dated on or before August 11, cancellation of the third payment. No refund or reduction will be allowed on a withdrawal dated subsequent to August 11.

Fall Term.—Withdrawal dated on or before October 31, cancellation of the second and third payments; withdrawal dated on or before November 30, cancellation of the third payment. No refund or reduction will be allowed on a withdrawal dated subsequent to November 30.

Winter Term.—Withdrawal dated on or before February 28, cancellation of the second and third payments; withdrawal dated on or before March 31, cancellation of the third payment. No refund or reduction will be allowed on a withdrawal dated subsequent to March 31.

In no case will the University fee or any part of an initial payment of

fees be refunded, and in no case will tuition be reduced or refunded because of nonattendance upon classes.

Payment applies only to the term for which a registration charge is incurred and in no case will this payment be credited to another term.

A student granted "war leave" during a term will be credited with tuition payments made prior to the granting of such leave, which credit will be applicable toward a subsequent registration.

Any student in chemistry who fails to check out of the laboratory on or before the date set by the instructor, unless excused by the instructor, will forfeit the balance of his deposit. A student who drops a course before the end of the term must check out of the laboratory at once.

Authorization to withdraw and certification for work done will not be given a student who has not a clear financial record.

FELLOWSHIPS, SCHOLARSHIPS, PRIZES, LOANS

FELLOWSHIPS

The following fellowships are available to graduate students. Applications should be submitted for consideration not later than March 1 preceding the period for which the fellowship is to be awarded.

The applicant for a University Teaching Fellowship or a Special Fellowship is expected to be a prospective candidate for the degree of Doctor of Philosophy, and to have the Master of Arts degree, or the equivalent, in the general field of his future doctoral study and research. Forms on which to make application for these fellowships may be obtained from the Chairman of the Graduate Council.

University Teaching Fellowships.—These are assigned for the academic year 1944-45 in the following departments of instruction: Bacteriology, Biochemistry, Botany, Chemistry, Economics, English, History, Physics, Psychology, Romance Languages, and Statistics. Each fellow receives a stipend of \$600, plus full tuition in the Graduate Council for whatever schedule of study or research his fellowship duties permit him to carry. The occupant of each of these fellowships renders a designated unit of service to the department of instruction in his major field of doctoral study, usually in classroom or laboratory assignments.

Special Fellowships.—A number of special fellowships are supported by endowment, and are awarded to doctoral students of unusual promise and ability. The stipend is not fixed but varies in amount with the need of the individual receiving the award. In applying for one of these fellowships it is advantageous that the student appear personally for an interview with the Chairman and such other members of the graduate Council as would be interested in the research investigations proposed. These fellowships include the following:

Isabella King Research Fellowship.—Of the value of \$1,200 annually, offered in the general field of biology, and intended to foster research for which the libraries and scientific establishments in Washington provide special facilities.

Thomas Bradford Sanders Fellowships.—Established by Miss Addie Sanders in memory of her brother, Thomas Bradford Sanders, and offered in various academic fields of study, with stipends designated by the Chairman of the Graduate Council.

SCHOLARSHIPS

Scholarships are awarded for two terms unless otherwise specified and are credited in equal parts for each term. Each holder must carry a

full schedule of academic work (fifteen credit hours or in the professional schools the full prescribed schedule) during the period for which the scholarship is awarded. Except in the case of the Columbian Women's Scholarships, the High School Scholarships, the National League of Masonic Clubs Scholarships, the Order of the Eastern Star Scholarship, and the Trustee Scholarships, applicants must have established an academic record in courses at this institution and should apply on prescribed forms which must be filed in the Office of the Registrar not later than May 15th preceding the academic year for which the scholarship is to be awarded. Further information may be obtained from the Registrar of the University.

American Foundation for Pharmaceutical Education.—These two scholarships, established by the American Foundation for Pharmaceutical Education in the amount of two hundred dollars (\$200.00) each, are awarded on recommendation of the Faculty of the School of Pharmacy to competent and promising applicants in need of support to pursue the professional collegiate study of pharmacy.

Byron Andrews Scholarships.—Three scholarships, in the amount of \$100 each, founded in 1920 by Mrs. Belle Fisk Andrews in memory of her husband, Byron Andrews, are available "for ambitious and needy students, who desire to pursue courses in English, Latin, journalism, history, literature, or political science".

Emma K. Carr Scholarships.—Four scholarships in the amount of \$240 each and twelve in the amount of \$100 each, founded in 1932 by Mrs. Emma K. Carr, are awarded annually to "young men (of the white race) for undergraduate or postgraduate work, considering character, capacity, and need".

Henry Harding Carter Scholarships.—These three scholarships, founded in 1896 by Mrs. Maria M. Carter in memory of her husband, Henry Harding Carter, are of the annual value of \$50 each and may be awarded to deserving students who are preparing for the civil-engineering profession.

Maria M. Carter Scholarship.—This scholarship, in the amount of \$30 to be awarded annually to a young man, was given to the University in 1871 by Mrs. Maria M. Carter.

Isaac Davis Scholarship.—This scholarship, in the amount of \$30 to be awarded annually, was given to the University in October 1869 by the Honorable Isaac Davis, of Massachusetts. Nominations for the scholarship may be made "by the founder or his eldest lineal descendant". In case no such nomination is made, the scholarship is to be awarded by the University.

Charles Worthington Dorsey Memorial Scholarship.—This scholarship, established as a memorial to Charles Worthington Dorsey, Bachelor

of Laws, '81, Master of Laws, '82, is awarded upon the recommendation of the Faculty of the Law School to a needy and promising graduate of Columbian College or other division of the University, with a Bachelor of Arts or other equivalent degree, who has maintained an average of *B* as an undergraduate student and who desires to pursue the study of law as a full-time student. The scholarship covers tuition for the course leading to the first degree from the Law School, Bachelor of Laws or Juris Doctor, provided that the holder maintains an average of *B*. The right is reserved to suspend the benefits of the scholarship for cause at any time. The scholarship is awarded ordinarily once every three years.

Robert Farnham Scholarship.—This scholarship, in the amount of \$30 to be awarded annually to a student in Columbian College, was given to the University in 1871 by Mrs. Robert Farnham.

Elma Lewis Harvey Scholarship.—This scholarship, of the annual value of \$200, was founded in 1921 by Mrs. Emma Elizabeth Harvey in memory of her daughter, and is to be awarded every four years, or as often as vacant, to a young woman student in Columbian College of the Protestant faith and of the Caucasian race who shall be selected for scholarship and moral qualifications.

High School Scholarships.—Two University scholarships, one for a man student, the other for a woman, are assigned for award to each of the following schools: Anacostia, Central, Coolidge, Eastern, McKinley, Roosevelt, Western, and Woodrow Wilson High Schools (District of Columbia); Bethesda-Chevy Chase High School (Maryland); Washington-Lee and George Washington High Schools (Virginia). The *Amos Kendall Scholarship*, founded by the late Honorable Amos Kendall, is one of the two assigned to the Central High School. Each of the above scholarships is awarded annually, on the recommendation of a committee consisting of the Dean of the Junior College of The George Washington University, the principal of the high school concerned, and an alumnus of both the high school and the University, to a member of the graduating class who intends to enter the Junior College and to continue in Columbian College. A principal and an alternate may be recommended.

The holders of these scholarships are exempt from tuition fees, but are charged the University fee, laboratory, graduation, and other fees. The scholarships are valid for eight terms. Beginning with the summer of 1942 the University expanded its program to permit a student to accomplish, during the summer, the work of a full term. As long as this accelerated program is in force, the high school scholarships may be used during the summer which becomes a part of the regular academic year. In any case they must be used for no less than two terms during a calendar year. The principal, or, if the principal declines, the alternate, must register in either June or September following the award.

To retain any high school scholarship a student must carry a full pro-

gram of study (a full program being defined as at least fifteen hours of work each term), unless otherwise determined in individual cases by the Committee on Student Loans and Scholarships upon recommendation of the dean of the college concerned. An average of *B* and a high standard of deportment must be maintained. In case the holder of the scholarship, after registering in the University, does not continue the use of it, the scholarship will not be reassigned.

A. Morehouse Scholarship.—This scholarship was founded by Mr. A. Morehouse, in 1861. It carries an annual stipend of \$45, which is available for an undergraduate intending to enter the Christian ministry.

Newspaper Scholarships.—Four scholarships are to be awarded each year to candidates recommended by the following newspapers: *The Washington Daily News*, *The Washington Post*, *The Evening Star*, and *The Times-Herald*. These scholarships cover tuition for four years, but do not include the University fee, laboratory fees, graduation fee, or other special fees.

Order of the Eastern Star Scholarship.—This scholarship in the amount of \$125 was established by the Order of the Eastern Star of the District of Columbia and is to be awarded to a woman of the Order or to a daughter of a member in good standing. The donors reserve the right to nominate the holder of this scholarship.

David Spencer Scholarship.—This scholarship, established in 1918 by Miss Louisa J. Spencer, is available under conditions stated in the bequest.

Mary Lowell Stone Scholarship.—This scholarship, founded in 1893 in memory of Mary Lowell Stone, is in the amount of \$60, to be awarded annually to a woman student of science in Columbian College.

Charles Clinton Swisher Scholarship.—This scholarship, founded in 1941 by the late Professor Charles Clinton Swisher, is in the amount of \$240 and is awarded annually under the terms of the bequest to a student having a special interest in and aptitude for the study of medieval history.

Trustee Scholarships.—Five scholarships are awarded each year, upon the recommendation of regional alumni clubs, to outstanding male graduates of accredited high schools. The scholarships cover tuition costs for four terms of full-time work but do not include the University fee, special fees such as laboratory charges, room, board, or other expenses. To retain the scholarship, the student must maintain a *B* average. Additional information may be obtained from the Alumni Secretary.

William Walker Scholarship.—This scholarship was founded in 1824 by William Walker, Esq., of Putnam County, Georgia. It carries an annual stipend of \$75, which is available for an undergraduate intending to enter the Christian ministry.

John Withington Scholarship.—This scholarship was founded in 1830 by the New York Baptist Theological Seminary, to be known as the John Withington Scholarship. It has an annual stipend of \$60.

Ellen Woodhull Scholarship.—This scholarship, founded by the late Ellen M. E. Woodhull, is in the amount of \$20, to be awarded annually to a student in Columbian College.

THE COLUMBIAN WOMEN SCHOLARSHIP FUNDS

The Columbian Women Scholarships, granted under any of the funds hereinafter described, are awarded by the Scholarship Committee of the Columbian Women. Applications for the Columbian Women Scholarships should be addressed to the Chairman of the Scholarship Committee, the Columbian Women, The George Washington University, Washington, D.C., not later than May 15 preceding the academic year for which the scholarship is to be awarded; or, in the case of award for the winter term, not later than January 1.

Nellie Maynard Knapp Scholarship Fund.—The income from this fund of \$5,000, established in 1915 by the Columbian Women in memory of a former president, Mrs. Martin A. Knapp, is available for scholarships for women.

Founders of Columbian Women Scholarship Fund.—The income from this fund of \$5,000, established in 1920 by the Columbian Women, is available for scholarships.

Lillian Young Herron Scholarship Fund.—The income from this fund of \$5,000, established by the Columbian Women in 1925 and named in 1930 in memory of a former president, is available for scholarships.

Elizabeth V. Brown Scholarship Fund.—This fund of \$1,200 was established in 1925 by the College Women's Club of Washington, D.C., in memory of the late Elizabeth V. Brown. The scholarship granted thereunder is available for a woman student in the School of Education.

College Women's Scholarship Fund.—The income from this fund of \$500, established in 1926 through the courtesy of the College Women's Club of Washington, D.C., is available for scholarship aid.

Lewes D. and Myrtie H. Wilson Memorial Scholarship Fund.—This fund of \$1,000 was established by Miss Elizabeth Wilson in 1926 as a memorial to her parents, Lewes D. and Myrtie H. Wilson. The income is available for a scholarship in the School of Medicine.

Grace Ross Chamberlin Scholarship Fund.—The income from this fund of \$2,300, established in 1932 by the Columbian Women in honor of a former president, is available for scholarship aid.

PRIZES

Alpha Chi Sigma Prizes.—Alpha Pi Chapter of Alpha Chi Sigma Fraternity offers annually the following prizes:

A "Handbook on Chemistry and Physics" is awarded to each of the three male students who carry at least eighteen credit hours during the freshman year and attain the highest averages in freshman chemistry.

The fraternity will have engraved on a bronze plaque in Corcoran Hall the name and year of graduation of the graduating male student who has attained the highest quality-point index in courses in chemistry, exclusive of the work of the final term, provided that he has completed the requirements for a major in chemistry and has done three fourths of this work in The George Washington University.

Alpha Delta Pi Prize.—Alpha Pi Chapter of Alpha Delta Pi Fraternity offers an annual prize of \$10 to the student doing the best work in third-year French.

Alpha Kappa Psi Prize.—Beta Mu Chapter of Alpha Kappa Psi Fraternity awards annually a scholarship medallion to the male student who has completed ninety credit hours at The George Washington University and has attained the highest average grade of the students enrolled in economics, business administration, public accounting, public finance, and foreign commerce.

American Institute of Chemists Prize.—The District of Columbia Chapter of the American Institute of Chemists offers an annual prize of a medal and junior membership in the American Institute of Chemists to be awarded to that graduating student, majoring in chemistry, who is judged by the Faculty of the Department of Chemistry to excel in scholarship and in the personal qualities of integrity and leadership.

Byrne Thurtell Burns Memorial Prize.—This prize, in the amount of \$30, is awarded to the senior majoring in chemistry who shows the greatest proficiency in organic chemistry, as evidenced by a comprehensive examination, and who possesses such qualifications of mind, character, and personality as to give promise of future achievement.

Chi Omega Prize.—Phi Alpha Chapter of Chi Omega Fraternity offers annually a prize of \$25 to be awarded to the woman student in the graduating class with the highest record in the following social sciences: economics, sociology, political science, and history; combined with general excellence.

Colonial Dames Prize.—The Society of the Colonial Dames of America, Chapter III, offers annually a medal to be awarded to the student who, having maintained a record of distinction in American history, submits the best essay upon a topic in Colonial history.

John Henry Cowles Prizes.—These prizes, founded in 1943 by John H. Cowles, Grand Commander of the Supreme Council of the Thirty-third Degree (Mother Council of the World) of the Ancient and Accepted Scottish Rite of Freemasonry, Southern Jurisdiction of the United States of America, are awarded annually to the two best scholars in the senior class of the School of Government. The prizes are as follows: first prize, \$40; second prize, \$20.

George Howland Cox Prize.—This prize, in the amount of \$25, is awarded annually to that student in European history whose essay on some assigned topic shall be deemed the best submitted.

DeWitt Clinton Croissant Prize.—This prize, founded by the late Professor DeWitt Clinton Croissant, consists of \$30, which is awarded annually to the undergraduate student who as a member of one of the University courses in drama or as a participant in University dramatics submits to the English Department the best essay on drama or the theatre.

E. K. Cutter Prize.—The E. K. Cutter Prize in English was founded by the late Marion Kendall Cutter "for excellence in the study of English". An annual prize of \$35 is awarded to the member of the graduating class whose record in English, combined with general excellence, shows most marked aptitude for and attainment in English studies.

Daughters of the American Revolution Prize.—This prize, founded by the Daughters of the American Revolution of the District of Columbia, consists of \$15, which is awarded annually to the student who, having maintained a record of distinction in American history, submits the best essay upon a topic in the period of the American Revolution.

Isaac Davis Prizes.—These prizes, founded by the Honorable Isaac Davis, of Massachusetts, in 1847, are awarded annually to such members of the senior class as shall have made the greatest progress in public speaking during their connection with the University. The prizes are as follows: first prize, \$15; second prize, \$10; third prize, \$5.

The award of these three prizes is determined by a public-speaking contest in which the participants deliver original orations. Only members of the senior classes who are candidates for the degree of Bachelor of Arts or Bachelor of Science are eligible to compete.

William Thornwall Davis Prize.—This prize, offered by Dr. William Thornwall Davis and consisting of a current monograph or set of monographs dealing with the field of ophthalmology, is awarded annually to the student doing the most outstanding work in ophthalmology.

Delta Sigma Rho Prizes.—Two cups presented by Delta Sigma Rho are engraved each year, one with the name of the fraternity and the other with the name of the sorority whose team wins the Intramural Debate. Each winning team retains the cup for the year following the award. A third victory, not necessarily consecutive, earns for that organization permanent possession of the cup.

Delta Zeta Prize.—Delta Zeta Sorority offers annually a prize of \$10, to be awarded to the student maintaining the highest average in general botany.

Ellsworth Prize.—The Ellsworth Prize of \$25, established by the late Mr. Fritz von Briesen, is awarded to the student doing the best work in the subject of Patent Law Practice.

Elton Prize.—The Elton Prize, founded by the Reverend Romeo Elton, of Exeter, England, consists of \$10, awarded annually to the senior student having the highest average in the Greek language and literature.

Joshua Evans III Prize in the Political and Social Sciences.—This memorial prize in the amount of \$30, "established by friends because of an outstanding life", is awarded annually to that man in the graduating class of The George Washington University "who has demonstrated his signal ability in the social and political sciences and who has given promise of the interpretation of that ability in good citizenship among his fellows". The selection of the recipient will be made by the President of the University and a committee from the Faculty of the Division of the Social Sciences.

Willie E. Fitch Prize.—The Willie E. Fitch Prize for highest excellence in all branches of chemistry, founded in 1883 by James E. Fitch, Esq., in memory of his son, consists of \$40, which is awarded annually to a senior student for the best general examination in chemistry.

Alice Douglas Goddard Prize.—This prize of \$35 was founded in 1941 by Frederick Joseph Goddard of Georgetown, D.C., in memory of Alice Douglas Goddard, and is awarded annually to the upper division student making the highest average in American literature.

Edward Carrington Goddard Prize.—This prize, consisting of \$35, was founded in 1923 by Mary Williamson Goddard, Alice Douglas Goddard, and Frederick Joseph Goddard, of Georgetown, D.C., in memory of Edward Carrington Goddard, class of '81, and is awarded to the junior or senior student making the highest average in the French language and literature.

James Douglas Goddard Prize.—This prize, consisting of \$35, was founded in 1923 by Mary Williamson Goddard, Alice Douglas Goddard, and Frederick Joseph Goddard, of Georgetown, D.C., in memory of James Douglas Goddard, class of '01, and is awarded to the senior student making the highest average in pharmacy.

Morgan Richardson Goddard Prize.—This prize, consisting of \$35, was founded in 1923 by Mary Williamson Goddard, Alice Douglas Goddard, and Frederick Joseph Goddard, of Georgetown, D.C., in memory of Morgan Richardson Goddard, and is awarded to the junior or senior student making the highest average in the following fields: economics, business administration, foreign commerce, and public accounting.

The Gardiner G. Hubbard Memorial Prize in American History.—This prize of \$40 was established by Mrs. Gertrude M. Hubbard in memory of her husband, the late Gardiner G. Hubbard, and is awarded annually to that member of the graduating class majoring in history who has maintained the highest standing in courses in American history.

Kappa Kappa Gamma Prize.—Kappa Kappa Gamma Sorority offers annually a prize of \$10 to the full-time freshman who achieves the best record in Botany 1 and 2.

John Bell Lerner Prize.—This prize, established by the bequest of

John Bell Lerner, consists of a medal which is awarded annually to that member of the graduating class in the Law School who attains the highest average grade in the entire course for the degree of Bachelor of Laws.

Mortar Board Prize.—This prize, consisting of a silver cup, is awarded annually to the woman student in the sophomore class having a scholarship average of *B* or higher and the most outstanding record in activities.

Omicron Delta Kappa Prize.—Alpha Delta Circle of Omicron Delta Kappa Fraternity offers annually a plaque to be awarded to "that member of the senior class who throughout his course at The George Washington University has done the most constructive work in the furtherance and upbuilding of the University student activities".

John Ordronaux Prizes.—These prizes were established in 1909 by the bequest of John Ordronaux.

The amount of \$45 is awarded to the member of the graduating class in the School of Medicine who has the highest scholastic standing.

The amount of \$35 is awarded annually to the student in the Law School who has attained the highest average grade in the first-year, full-time, regular course; and \$35 to the student who has attained the highest average grade in the second-year, full-time, regular course.

Phi Eta Sigma Prize.—The George Washington University Chapter of Phi Eta Sigma, freshman honorary scholarship society, offers each year to the beginning male student attaining the highest scholastic average in his first full term of work, a choice book selected from the field of the recipient's major interest. In addition, the winner's name will be engraved on a permanent plaque to be preserved in the Office of the Dean of the Junior College.

Phi Sigma Kappa Prize.—Phi Sigma Kappa Fraternity offers annually a silver cup to the winner of an oratorical contest, open to all freshmen.

Phi Sigma Sigma Prizes.—Kappa Chapter of Phi Sigma Sigma Fraternity offers annually the following prizes:

The amount of \$10 is awarded to the woman student with the highest average in first-year zoology.

A key, known as the Nileen Cooper Phi Sigma Sigma Award, is given to the senior woman doing the most outstanding work in psychology.

Pi Beta Phi Prize.—A prize of \$20 is awarded annually by the District of Columbia Alpha Chapter of Pi Beta Phi Fraternity to that woman member of the senior class who throughout her college course has done the most constructive work in the promotion of student activities among the women of the University.

Pi Lambda Theta Prize.—Alpha Theta Chapter of Pi Lambda Theta Fraternity offers an annual prize of \$25 to the student who produces the most meritorious Master's thesis in education.

Ruggles Prize.—The Ruggles Prize, founded by Professor William

Ruggles in 1859, consists of \$15 awarded annually to a candidate for a baccalaureate degree for excellence in mathematics.

Sigma Kappa Prizes.—Zeta Chapter of Sigma Kappa Sorority offers an annual prize of \$10 to the student who passes the best examination in General Chemistry.

Sigma Tau Prize.—Xi Chapter of Sigma Tau Fraternity offers annually a medal to be awarded to that member of the freshman class in the School of Engineering who maintains the highest scholastic standing in the work of the entire year.

Staughton Prize.—The Staughton Prize, founded by the Reverend Romeo Elton, consists of \$10 awarded annually to the senior student making the best record in the Latin language and literature.

James MacBride Sterrett, Jr., Prize.—This prize, founded in 1911 by Professor James MacBride Sterrett in memory of his son, consists of a gold medal awarded annually to that student who obtains the highest average in Physics 6, 7, and 8.

Charles Clinton Swisher Historical Club Prize.—This prize, founded in 1936 by the Charles Clinton Swisher Historical Club and augmented in 1942 by the bequest of the late Professor Charles Clinton Swisher, is an annual prize of \$30 awarded to the student who submits the best essay covering some phase of medieval history.

Theta Tau Activities Plaque.—Gamma Beta Chapter of Theta Tau Fraternity offers annually a plaque to be awarded to that member of the senior class who has the most outstanding record in activities in the School of Engineering during the entire period of his attendance.

Thomas F. Walsh Prize.—This prize, founded in 1901 by Thomas F. Walsh, consists of \$30 awarded annually to that student who submits the best essay upon some topic in Irish history.

Alexander Wilbourne Weddell Prize.—From a fund established in 1923 by Mrs. Virginia Chase Weddell, an annual prize of \$150 is awarded to a candidate for a degree who writes the best essay on the subject of "the promotion of peace among the nations of the world". The prize essays shall become the property of the University and shall not be printed or published without the written consent of the University. The University reserves the right to withhold the award if no essay attaining the required degree of excellence is submitted.

LOAN FUNDS

The following loan funds are available to students in the University in accordance with the qualifications placed thereon by the donors. Inquiries should be directed to the Office of the Comptroller.

University Student Loan Fund.—The Trustees of The George Washington University have established a loan fund amounting to \$10,000.

Daughters of the American Revolution Loan Fund.—The District of Columbia Chapters of the Daughters of the American Revolution have

established an endowment fund of \$5,000, the income (\$1,673.50) of which is available for interest-bearing loans to descendants of patriots of the American Revolution.

Henry Strong Educational Foundation.—The Henry Strong Educational Foundation, established at Chicago under the will of General Henry Strong, makes available a fund for loans to both men and women students under the age of twenty-five years.

Henry Strong-William A. Maury Loan Fund.—This fund, also allocated from the funds of the Henry Strong Educational Foundation, is to be loaned to students under the age of twenty-five years in the George Washington University Law School.

Home Economics Loan Fund.—This fund in the amount of \$118, contributed by the D. C. Home Economics Association, is available for loans to senior girls majoring in Home Economics.

Kellogg Medical School Loan Fund.—The W. K. Kellogg Foundation in Battle Creek, Michigan, has established a fund in the amount of \$15,000 for loans to students in the School of Medicine.

Kellogg Medical Technology Loan Fund.—This fund, also contributed by the W. K. Kellogg Foundation, in the amount of \$2,000 is available for loans to medical technologists.

Knights Templar Educational Loan Fund.—This fund, contributed and administered by the Grand Commandery of Knights Templar of the District of Columbia, is available for loans to students, preferably in the upper classes, who are residents of the District of Columbia.

Law Association Loan Fund.—The George Washington Law Association has established a loan fund in the amount of \$568.00 for loans to students in the School of Law.

Sutherland Medical School Loan Fund.—This fund, in the amount of \$1,175 and established by Mrs. Rose L. Sutherland, is available for loans to students in the School of Medicine.

REGULATIONS

A student enrolled in the University is required to conform to the University regulations and to comply with the rules and regulations of the college, school, or division in which he is registered.

If a student knowingly makes a false statement or conceals material information on an application for admission, registration card, or any other University document, his registration may be canceled and he will be ineligible (except by special action of the Faculty) for subsequent registration in any unit of the University.

ATTENDANCE

A student is not permitted to attend classes until registration has been completed and fees due have been paid. Regular attendance is required. For undue absence in any course, a student may be dropped from the course. Tuition will not be refunded or reduced because of non-attendance.

A student who has been suspended, either for delinquency in payment of fees or for any other reason, is not permitted to attend classes during the period of suspension.

For further regulations regarding attendance, consult the announcements of the several colleges and schools.

CONTINUOUS REGISTRATION

A student who withdraws or is suspended, or is otherwise absent from the University for one term or more, may re-enter and continue his work only under the rules and regulations in force at the time of his return. With the approval of the dean of the college or school concerned, a student may be granted leave of absence; such student should, however, remain technically in residence by paying the usual University fee for each term he is absent.

For the purpose of this regulation, the summer sessions will not be considered a term.

SCHOLARSHIP REQUIREMENTS

A student who fails to maintain the scholarship requirements of the college, school, or division in which he is registered may be dismissed from the University.

GRADES

Grades are not given out by instructors but are mailed to the student through the Office of the Registrar at the close of each term. Upon

request, a copy of the student's grades will be forwarded to his parent or guardian.

The following grading system is used: *A* (90-100 per cent), excellent; *B* (80-89 per cent), good; *C* (70-79 per cent), average; *D* (60-69 per cent), passing; *E*, conditioned, not passing; *F* (below 60 per cent), failing; *Inc.*, incomplete; *W*, withdrawn. *W* is followed by a letter grade indicating the quality of work the student was doing at the time of withdrawal. A course failed must be repeated with a passing grade in order to be credited. No student may repeat for credit a course in which he has received a grade above *E*, without the permission of the faculty of the college, school, or division in which he is registered. A condition may be removed within one year on terms specified by the instructor, but in no case will a final grade above *D* be given unless the course is repeated in class. A grade of "incomplete" cannot be altered after the lapse of one calendar year except by action of the Faculty.

For graduate work, grades are indicated as "satisfactory", "unsatisfactory", or "incomplete".

For the grading systems of the Law School and the School of Medicine, see the explanations in the announcements of those schools.

QUALITY-POINT INDEX

Quality-points are computed from grades as follows: *A*, four points; *B*, three points; *C*, two points; *D*, one point; *E*, and *F*, no points, for each credit hour for which the student has registered.

Scholarship is computed in terms of the quality-point index, obtained by dividing the number of quality-points by the number of credit hours for which the student has registered, both based on the complete collegiate record. Courses marked *W* or *Inc.* are not considered in determining the index.

EXAMINATIONS

Examinations are scheduled in all courses at the end of each term or at the completion of the course.

A student guilty of dishonesty in examinations may be deprived of credit for the courses in which dishonesty occurs and may be dismissed from the University.

For further regulations regarding examinations, consult the announcements of the several colleges, schools, and divisions.

WITHDRAWAL

A student who is obliged to withdraw from the University or from a course must immediately notify the dean of the college, school, or division

in which he is registered. Permission to withdraw from the University cannot be obtained by a student who has not a clear financial record. (See "Fees and Financial Regulations", pages 20-23.)

Withdrawal within the last month of a term or within the last two weeks of a summer session will be approved only in exceptional cases. (See "Withdrawals and Refunds", page 22.)

The grade of F (failing) will be given in a course dropped without the approval of the dean.

All charges for courses dropped without the approval of the dean must be met by the student. Reporting the dropping of a course to an instructor does not effect its discontinuance.

CHANGES IN PROGRAM OF STUDIES

A student may not change or drop (see "Withdrawals", above) courses or change his status to that of auditor except with the approval of the dean of the college, school, or division in which he is registered, upon presentation of adequate reasons for such changes.

Change from one section to another of the same course or from one major subject to another within the same college or school may be made with the approval of the dean. All requirements specified in the course of study to which the change is made must be satisfied before graduation.

Transfer from one college, school, or division to another may be made only with the approval of the deans concerned. Application for such change should be made on the proper form, obtainable in the Office of the Director of Admissions, where it should be filed.

CREDIT

Credit toward a degree is given only after regular registration for and satisfactory completion of the required work of classes in the University, or upon the granting of advanced standing in accordance with the regulations of the several colleges, schools, and divisions.

On request the Registrar will issue to the student a balance sheet showing the amount of work completed and the amount necessary to complete the requirements for a degree.

TRANSCRIPTS OF RECORD

Official transcripts of student records will be forwarded on request to other institutions. Unofficial copies of records will be issued to the student on request. No charge is made for the first three transcripts; a fee of one dollar is charged for each one thereafter. No certificate of work done will be issued for a student who does not have a clear financial record.

SUMMER SCHOOL CREDIT

A student who plans to attend summer school sessions at another institution with the intention of having credits so obtained apply toward graduation from this University must first secure the written approval of the dean of his college or school. In no event will such credits be recognized to an amount in excess of that which might be earned in a similar period in this institution.

PHYSICAL EDUCATION REQUIREMENTS

Students in the Junior College and freshmen and sophomores in the School of Engineering are required to take Physical Education 1-2 and 11-12 unless they are registered for less than three courses, or unless regular employment during the day makes it necessary to take all classes during the late afternoon hours.

Any other exemptions will be granted only upon written application which has been recommended by the physical education department concerned and approved by the dean of the college or school in which the student is registered.

A student entering the University with advanced standing is not exempt from the physical education requirements unless he has satisfactorily met the requirements elsewhere. Courses in military training are not accepted in satisfaction of these requirements.

The required medical and physical examinations, as specified by the departments of physical education, will be arranged at the time of registration.

GRADUATION REQUIREMENTS

To be recommended for graduation a student must have met the admission requirements of the college or school, in which he is registered, completed satisfactorily the scholarship, curriculum, residence, and other requirements for the certificate or degree for which he is registered, and be free from all indebtedness to the University.

Application for Graduation.—Application for a degree or a Junior Certificate should be filed in the Office of the Registrar at the time of registration for the first term of the senior or final year and may not be filed later than the date specified in the University calendar.

Scholarship.—In all undergraduate divisions of the University the scholarship requirement for graduation is a quality-point index of at least 2.00.

The graduate student must meet the scholarship requirements for the particular degree for which he is registered.

Curriculum.—Curriculum requirements for each certificate and degree are stated under the college or school offering work in preparation for the certificate or degree.

Residence.—In all undergraduate divisions of the University a min-

imum of one year, or thirty credit hours, must be completed in residence. Summer term work may be counted in residence, but in no case may the period of residence aggregate less than thirty weeks. Unless special permission is granted by the dean of the college or school concerned to pursue work elsewhere, the work of the senior or final year must be completed in residence.

The graduate student must meet the residence requirements for the particular degree for which he is registered.

Attendance and Conduct.—The University reserves the right to refuse to confer a degree or a certificate upon a candidate whose attendance or conduct has been unsatisfactory.

Thesis.—A thesis submitted in partial satisfaction of requirements for the Master's degrees, the professional degrees in engineering, the degree of Doctor of Education, or the degree of Doctor of Philosophy must be presented in its final form to the dean of the college or school concerned not later than the date specified in the University calendar. Three* copies of each thesis are required, one typewritten original and two legible and complete carbon copies. Detailed instructions for the styling of all theses should be obtained from the appropriate Dean.

Accepted theses, with accompanying drawings, are the property of the University and will be deposited in the University Library, where the duplicate copies will be bound and made available for circulation. Permission to publish or adapt material in the thesis must be secured from the appropriate faculty.

Presence at Graduation.—A candidate is required to be present at the graduation exercises unless written application for graduation in absentia is approved by the dean of his college or school.

HONORS

With Distinction.—In all undergraduate divisions of the University the degree may be conferred "with distinction", at the discretion of the Faculty, if a student attains a quality-point index of 3.50 or higher on all work taken at this institution except that taken during the term immediately preceding the granting of the degree. To be eligible for this honor a student must have completed at this institution at least one half of the work required for the degree.

Special Honors.—Special honors may be awarded by the Faculty to any member of the graduating class for outstanding achievement in the student's major field of work on recommendation of the major department, under the following regulations:

1. The student must have his candidacy for special honors approved by the faculty member representing the major department not later than the beginning of the senior year.

* In the School of Education, four copies.

2. The student must meet such other conditions as the major department may set at the time his candidacy is approved.

3. No student will be awarded special honors unless he has a quality-point index of at least 3.00 on all work taken at this institution except that taken during the term immediately preceding the granting of the degree. To be eligible for this honor a student must have completed at this institution at least one half of the work required for the degree.

THE LIBRARY

A student registered in the University is entitled to the reference use of the University Library. The Student Activities Book or the Registration Card, issued upon payment of the University fee, must be presented as identification.

Library books, with the exception of those in the Law and Medical collections, may be drawn for home use for a period of two weeks. Any book which does circulate is subject to recall by the Librarian at any time. Reserve books and periodicals for collateral reading must be used in the reading rooms when the Library is open. With special permission they may be drawn for overnight use when the Library closes. A fine of twenty-five cents will be charged for the first hour or fraction of an hour and five cents for each hour or fraction thereafter that a reserve book is overdue. Grades of a student will be withheld until his library record is clear.

HOURS

The University Library is open from 9:00 A.M. to 10:00 P.M. each class day (Saturday, 9:00 A.M. to 1:00 P.M.), and from 2:00 to 6:00 P.M. on Sunday.

The Law Library, in Stockton Hall, 720 Twentieth Street, is open from 9:00 A.M. to 10:00 P.M. each class day (Saturday, 9:00 A.M. to 1:00 P.M.), and from 2:00 to 6:00 P.M. on Sunday.

The Medical Library, at 1335 H Street, is open from 8:30 A.M. to 9:00 P.M. each class day (Saturday, 8:30 A.M. to 4:00 P.M.).

RIGHT TO DISMISS STUDENTS

The right is reserved by the University to dismiss or exclude any student from the University, or from any class or classes, whenever, in the interest of the student or the University, the University Administration deems it advisable to do so.

RIGHT TO CHANGE RULES

The University and its various colleges, schools, and divisions reserve the right to modify or change requirements, rules, and fees. Such regulations shall go into force whenever the proper authorities may determine.

STUDENT LIFE

RELIGIOUS LIFE

The University recognizes the contribution that religion can make to the education of its students by encouraging them to participate in denominational clubs of their own choice. National Catholic, Hebrew, and Protestant bodies sponsor these religious organizations, which act as links between the University and the local churches. The Director of the University Chapel and the advisers to the various denominational organizations are available throughout the year for consultation on personal problems.

UNIVERSITY CHAPEL

The University Chapel is maintained as a non-sectarian expression of the faith of the University in the contribution that religion can make to the education of its students. Twenty-minute services are held Friday of each week at 12:10 P.M. in the West Room of Columbian House. Lenten Vesper Services are conducted each Wednesday during Lent at 8:00 P.M. in the Upper Room of Columbian House. Representative clergymen of Washington are guest speakers at these non-denominational services.

HEALTH ADMINISTRATION

The University maintains a staff of medical officers and a hospital.

The University Physician for Women maintains an office in the University.

The payment of the University fee entitles the student to certain health services described under the Department of Health Administration.

LIVING ACCOMMODATIONS

Application for room reservations should be made well in advance. Forms for application, together with detailed information may be obtained from the Director of Personnel Guidance. The prices stated below are subject to change without notice.

Women Students.—Women students under twenty-one years of age who carry twelve or more credit hours of academic work must have their residences approved by the Director of Personnel Guidance before their registrations can be completed.

The Hattie M. Strong Residence Hall: single rooms with breakfast and dinner are \$54 a month; double rooms with the same service are \$47 a month a person.

Staughton Residence Hall: single rooms are \$25 a month; double rooms are \$18 a month a person.

PLACEMENT OFFICE

The Placement Office is maintained to assist graduates and students in finding positions for which their college work has prepared them, and to cooperate with employers who wish to fill vacancies. Enrollment is open to alumni members and students of the University without charge for placement.

STUDENT EMPLOYMENT

An employment service is operated to assist the self-supporting student in finding employment.

The prospective student who expects to earn any part of his expenses and who does not have a definite appointment to a position before coming to Washington should have the means of support for at least one term.

Many out-of-town students secure positions in the departments of the Government in Washington by taking the United States Civil Service examinations in their home states. The hours of employment permit them to pursue a college course in the late afternoon.

STUDENT ACTIVITIES

Control and direction of all student activities are vested in the committees on Extracurricular Activities and Student Relationships. For a list of student activities and rulings governing them see the special printed regulations of the University.

RECOGNITION OF STUDENT ORGANIZATIONS

No student club or society (except social fraternities, sororities, scholastic honor societies, religious or professional clubs or societies) organized as a branch or affiliate of a non-George Washington University organization will be recognized by the Committee on Student Life.

PROPERTY RESPONSIBILITY

The University is not responsible for the loss, in any University building, of personal property belonging to a student.

For further information, catalogues, and application blanks, address the Director of Admissions.

THE COLLEGES, SCHOOLS, AND DIVISIONS

THE JUNIOR COLLEGE

THE FACULTY

Cloyd Heck Marvin, Ph.D., LL.D., *President of the University*
William Crane Johnstone, Jr., Ph.D., *Dean of the Junior College*
Donnell Brooks Young, Ph.D., *Assistant Dean in the Junior College*
Katharine Rogers Adams, Ph.D., *Assistant Dean in the Junior College*
Alan Thomas Deibert, A.M., *Assistant Dean in the Junior College*

STAFF OF INSTRUCTION

Thomas Benjamin Brown, Ph.D., *Professor of Physics*
*Henry Grattan Doyle, A.M., *Professor of Romance Languages*
Robert Fiske Griggs, Ph.D., *Professor of Botany*
Norris Ingersoll Crandall, M.Arch., *Professor of Art*
Edward Henry Sehrt, Ph.D., *Professor of German*
Walter Lynn Cheney, Ph.D., *Professor of Physics*
Willard Hayes Yeager, A.M., *Depew Professor of Public Speaking*
Elmer Louis Kayser, Ph.D., *Professor of European History*
*William Paul Briggs, M.S., *Professor of Pharmacy*
Donnell Brooks Young, Ph.D., *Professor of Zoology*
Warren Reed West, Ph.D., *Professor of Political Science*
Lowell Ragatz, Ph.D., *Professor of European History*
Francis Edgar Johnston, Ph.D., *Professor of Mathematics*
*Benjamin Douglass Van Evera, Ph.D., *Professor of Chemistry*
William Crane Johnstone, Jr., Ph.D., *Professor of Political Science*
Merle Irving Protzman, Ph.D., *Professor of Romance Languages*
Ralph Dale Kennedy, Ph.D., *Professor of Accounting and Business Administration*
Florence Marie Mears, Ph.D., *Professor of Mathematics*
*Wood Gray, Ph.D., *Professor of American History*
Thelma Hunt, Ph.D., M.D., *Professor of Psychology*
*Harold Friend Harding, Ph.D., *Professor of Public Speaking*
Ira Bowers Hansen, Ph.D., *Professor of Zoology*
Arthur Edward Burns, Ph.D., *Adjunct Professor of Economics*
Alan Thomas Deibert, A.M., *Associate Professor of Romance Languages*
*Paul William Bowman, Ph.D., *Associate Professor of Biology*
*Raymond John Seeger, Ph.D., *Associate Professor of Physics*
Lawson Edwin Yocum, Ph.D., *Associate Professor of Botany*

* On war leave 1944-45.

Audley Lawrence Smith, Ph.D., *Associate Professor of English*
 *John Withrow Brewer, Ph.D., *Associate Professor of International Law*
 *John Francis Latimer, Ph.D., *Associate Professor of Classical Languages*
 *Louis Clark Keating, Ph.D., *Associate Professor of Romance Languages*
 William Henry Myers, A.M., *Associate Professor of Physical Education*
for Men

Samuel Nathaniel Wrenn, Ph.D., *Associate Professor of Chemistry*
 *Charles Rudolph Naeser, Ph.D., *Associate Professor of Chemistry*
 *Howard Maxwell Merriman, Ph.D., *Associate Professor of American*
Diplomatic History

Ernest Sewall Shepard, A.M., *Associate Professor of English*
 *George Winchester Stone, Jr., Ph.D., *Associate Professor of English*
 Helen Bennett Lawrence, A.M., *Associate Professor of Physical Educa-*
tion for Women

Donald Stevenson Watson, Ph.D., *Associate Professor of Economics*
 Maurice Hart Van Horn, Ph.D., *Associate Professor of Chemistry*
 Irene Cornwell, Ph.D., *Associate Professor of French*
 Kathryn Mildred Towne, A.M., *Associate Professor of Home Economics*
 Antonio Alonso, A.M., *Associate Professor of Spanish*
 *Henry Goddard Roberts, A.M., *Assistant Professor of Public Speaking*
 *Winfield DeWitt Bennett, A.M., LL.B., *Assistant Professor of Public*
Speaking

Gretchen Louisa Rogers, Ph.D., *Assistant Professor of German*
 *Jenny Emsley Turnbull, A.M., *Assistant Professor of Physical Educa-*
tion for Women

Charles William Cole, Ph.D., *Assistant Professor of English*
 Wolfram Karl Legner, Ph.D., *Assistant Professor of German*
 Dorothy Helene Veon, A.M., *Assistant Professor of Secretarial Studies*
 Florence Everett Hooper, Ph.D., *Assistant Professor of Chemistry*
 Edith Elizabeth Mortensen, A.M., *Assistant Professor of Zoology*
 Elizabeth Burtner, A.M. *Assistant Professor of Physical Education for*
Women

Maurice Harold Irvine, Ph.D., *Assistant Professor of English*
 Verna Finger Torgerson, M.S., *Assistant Professor of Speech*
 Peyton Armstrong Kerr, Ph.D., *Lecturer in Economics*
 Katharine Rogers Adams, Ph.D., *Lecturer in English*
 Averett Howard, A.M., *Instructor in English*
 Georgette Dupuy Caskie, L.-ès-L., *Instructor in Romance Languages*
 *Martin Steele Day, A.B., *Instructor in English*
 John Martin Yoklavich, A.M., *Instructor in English*
 Raul d'Eça, Ph.D., *Associate in Portuguese*
 Camille Jacob Craig, B.S., *Instructor in Physical Education for Women*

COMMITTEES •

THE DEAN'S COUNCIL†

1944

Samuel Nathaniel Wrenn
Charles William Cole

1945

Thelma Hunt
Ira Bowers Hansen

1946

Merle Irving Protzman
Ernest Sewell Shepard

COMMITTEE ON ADMISSION AND ADVANCED STANDING

Florence Marie Mears, *Chairman*

Maurice Hart Van Horn
Gretchen Louisa Rogers

Charles William Cole
Maurice Harold Irvine

COMMITTEE ON SCHOLARSHIP

Samuel Nathaniel Wrenn, *Chairman*

Katharine Rogers Adams
Donnell Brooks Young

Lawson Edwin Yocum
Alan Thomas Deibert

JUNIOR COLLEGE ADVISORY STAFF

William Crane Johnstone, Jr., *Dean of the Junior College, Chairman*
Donnell Brooks Young
Alan Thomas Deibert
Katharine Rogers Adams

ADVISERS FOR BACHELOR OF ARTS AND BACHELOR OF SCIENCE CURRICULA

Antonio Alonso, Paul William Bowman, Walter Lynn Cheney, Charles William Cole, Maurice Harold Irvine, Francis Edgar Johnston, Edith Elizabeth Mortensen, Gretchen Louisa Rogers, Verna Finger Torgerson, Maurice Hart Van Horn, Lawson Edwin Yocum.

ADVISERS FOR PREPROFESSIONAL CURRICULA

Burnice Herman Jarman (Education), William Henry Myers (Physical Education for Men), Helen Bennett Lawrence (Physical Education

* The President of the University and the Dean of the Junior College are members ex officio of all committees.

† Elected by the Faculty.

for Women), Donnell Brooks Young (Medicine), Kathryn Mildred Towne (Home Economics), Saul Chesterfield Oppenheim (Law).

GENERAL INFORMATION

INTRODUCTORY

The Junior College, which comprises the first two years of the standard four-year college program in the liberal arts and sciences, was established in 1930 as a part of the academic reorganization of the University. Prior to 1930, the four-year program had been administered by Columbian College since its organization in 1821.

The Junior College curricula continue the studies of a general cultural nature begun in the secondary schools, and lay a foundation for the more specialized work which is to follow. Emphasis is accordingly laid (1) upon the social, cultural, biological, and physical background of civilization (history, political science, physical and biological sciences, literature, etc.) and (2) upon the discipline necessary to the effective prosecution of more advanced work (English rhetoric and composition, foreign languages, mathematics, etc.).

The Junior College also provides the preprofessional work required for admission to the schools of Law, Pharmacy, Education, and Government, and the first two years of the preprofessional work required by the School of Medicine.

In addition it provides two-year curricula in vocational training, leading to the Junior Certificate.

ADVISORY SYSTEM

In order that students may have opportunities for assistance in planning their courses and also for obtaining personal, educational, and vocational advice in every phase of their academic work during the first two years, a number of members of the Faculty serve as advisers to Junior College students.

Members of the Faculty, selected for their knowledge of Junior College requirements and student programs, advise both incoming freshmen and old students in making up their programs of study for each term. A separate staff of experienced advisers under the chairmanship of the Dean assists those students who find it difficult to make adjustments to college life because of scholastic or other reasons. Students who are "warned" or who are on probation may be required to consult these advisers at regular intervals. Students are encouraged to consult any members of the Advisory Staff or their instructors about college problems at any time.

Copies of notices of "warning" or probation will be sent to the parents or guardians of students on request, and the Dean and members of the

Advisory Staff are always available for consultation with parents or guardians concerning student problems.

REGULATIONS

Students in the Junior College are subject to, and are expected to familiarize themselves with, the regulations regarding ADMISSION, REGISTRATION, FEES AND FINANCES stated on pages 10-23, and the University regulations stated on pages 35-40.

SCHOLASTIC-APTITUDE TESTS

Students admitted to the Junior College may be required to take the scholastic-aptitude tests of the University.

ENGLISH PLACEMENT EXAMINATIONS

Special placement examinations, required of all entering freshmen, will be conducted by the English Department. These examinations will test the student's proficiency in spelling, grammar, punctuation, and sentence structure; his vocabulary; and, through an impromptu theme, his ability to present his ideas in logical sequence with clarity and effectiveness. On the basis of these tests students will be classified as follows: (1) especially superior students who, by the unanimous decision of the examiners, are regarded as possessing the equivalent of English 1-2 and who may be relieved of the curriculum requirements of the course; (2) all other students, who will be required to take English 1-2.

FIRST- AND SECOND-GROUP COURSES

A Junior College student may not take second-group courses (courses numbered 101-200) without the written permission of the instructor and of the Dean of the Junior College. A student will not be permitted to postpone a first-group course, required under the curriculum for which he is registered, in order to take a second-group course for elective credit. The principle that first-group courses must be taken in the Junior College years, and advanced courses in Columbian College and the professional schools, will be rigidly adhered to in approving student programs. No student on probation is permitted to take second-group courses except by the express permission of the scholarship committee.

AMOUNT OF WORK

Fifteen or sixteen credit hours, not including required physical education, constitute normal work. A student not on probation may be permitted by the Dean to take seventeen credit hours.

A student having a quality-point index of 3.50 may, with the permission

of the Dean, take eighteen or nineteen credit hours. No student may take more than nineteen credit hours, except with the permission of the Committee on Scholarship.

For an employed student working more than twenty-four hours a week, nine credit hours, not including required physical education, constitute normal work. An employed student not on probation may be permitted by the Dean to take ten credit hours. An employed student having a quality-point index of 3.50 may be permitted by the Dean to take twelve or thirteen credit hours.

ATTENDANCE

The student is held responsible to the instructor in charge of the course for which he is registered for all the work of the course, and all absences must be excused before provision will be made for him to make up the work missed.

With the exceptions noted below, occasional absences, not to exceed in number for each term the credit hours for the term, will be automatically excused. (If a course has distinct divisions such as lectures, laboratories, recitations, etc., these excuses apply pro rata to such separate divisions.) In applying this rule absences immediately preceding or following holiday periods are to be counted double.

Such automatic excuses are intended to cover the occasional minor exigencies and not to constitute an indiscriminate privilege. A student on probation is allowed no automatic excuses.

Excuses for absences from two or more consecutive class periods, and for absences from examinations which have been announced in advance, can be obtained only by making written application to the Dean of the Junior College. All other absences may be excused by the instructor in charge.

A student whose absences from any class, whether excused or unexcused, are in excess of one fourth of the total number of class periods will receive the grade of *F* for the course, except by special ruling of the Dean on recommendation of the instructor in the course.

CLASSIFICATION OF STUDENTS

A student who has satisfactorily completed at least thirty-two credit hours of work, including eighteen credit hours in his curriculum requirements, is classed as a *sophomore*.

THE JUNIOR CERTIFICATE

Upon the satisfactory completion of the requirements of the Junior College, a Junior Certificate is awarded.

REQUIREMENTS FOR THE CERTIFICATE

SCHOLARSHIP

The system of grading and of computing scholarship is described in detail on pages 35 and 36.

In order to receive a Junior Certificate a student must have a quality-point index of at least 2.00.

Honor Roll.—The name of every student who has a quality-point index of 3.50 or higher will be placed on the honor roll and published. No consideration is given to those who have completed a total of less than fifteen credit hours. A place on the honor roll does not necessarily mean that the student will receive honors upon graduation.

Probation.—A student must maintain a quality-point index of at least 2.00, or be placed on probation. The case of each student who has a quality-point index between 1.50 and 2.00, however, will be considered by the Committee on Scholarship, which may retain or remove the probation. A student remains on probation as long as his quality-point index is below 2.00, or until his probation is removed by the Committee.

Suspension.—A student who has a quality-point index below 1.50 will be suspended. The case of each student who has a quality-point index between 1.35 and 1.50, however, will be considered by the Committee on Scholarship, which may retain him on probation or suspend him.

A student who falls under probation for the third term, whether successive or after an interval, will be suspended.

For the purpose of these rules, the summer sessions are considered a term.

A student suspended for poor scholarship may apply for readmission after an interval of a calendar year. He must then submit evidence to the Committee on Admission and Advanced Standing that during his absence from the University he has so conducted himself as to indicate that he will profit by readmission. A student suspended twice for poor scholarship will not be readmitted.

The foregoing scholarship rules are applied to a student with a limited schedule only when he has undertaken a minimum of fifteen credit hours.

Warnings.—At stated intervals during the academic year instructors file in the Office of the Registrar the names of those students who are doing work of D grade or lower. A "warning" will then be transmitted to the student concerned and a copy forwarded to his adviser. A warning constitutes notice to the student that he must consult his adviser within two weeks after receipt of the warning. Upon request a parent or guardian may receive a copy of a warning notice sent to a student. "Warning periods" are established as follows: fall term—November 1 to 15; winter term—March 15 to 30; summer term—each session, third to fourth week.

CURRICULUM REQUIREMENTS

The satisfactory completion of sixty credit hours of college work, exclusive of physical education, is required as outlined in one of the Junior College curricula described below and in the chart facing pages 56 and 57.

Not more than twelve credit hours of professional courses may be included in the one hundred and twenty credit hours required for the Bachelor's degrees in Columbian College. Junior College students electing professional courses under this rule must obtain the approval of the Dean of the Junior College.

Curricula for Admission to Columbian College and the Professional Schools.—Each of the following curricula comprises the first two years of a standard four-year college course and prepares the student for upper division work. Requirements for graduation from the Junior College may not be the same as the requirements for admission to Columbian College or a professional school. Therefore, the student should consult the specific admission requirements of the college or school for which he is preparing.

The first two years of the premedical college work are undertaken in the Junior College in accordance with either curriculum A-I* or A-II*. Each premedical program must be approved by the premedical adviser.

Curricula for admission to:

1. Columbian College:

A-I*—Prepares for the Bachelor of Arts curriculum in Columbian College.

A-II*—Prepares for the Bachelor of Science curriculum in Columbian College.

2. The Law School:

A-I*, E*, or the equivalent—Prepares for the Bachelor of Laws curriculum in the Law School.

3. School of Pharmacy:

C*—Prepares for the Bachelor of Science curriculum in the School of Pharmacy.

4. School of Education:

D-I (Same as A-I*)—Prepares for the Bachelor of Arts in Education curriculum in the School of Education.

D-II*—Prepares for the Bachelor of Science in Home Economics curriculum in the School of Education.

D-III*—Prepares for the Bachelor of Science in Physical Education for Men curriculum in the School of Education.

D-IV*—Prepares for the Bachelor of Science in Physical Education for Women curriculum in the School of Education.

* See the chart facing pages 56 and 57.

5. School of Government:

E*—Prepares for the Bachelor of Arts in Government curricula in the School of Government.

Vocational Curricula.—In addition to the above curricula, all of which prepare for admission to upper division colleges and schools, the Junior College offers the following two-year terminal courses.

F—Secretarial Studies Curriculum†:

FIRST YEAR	Credit Hours	SECOND YEAR	Credit Hours
Business Administration 51 and 52	6	Economics 1-2	6
English 1 and 2	6	Physical Education	
Physical Education		Political Science 127 or 129	3
Secretarial Studies 1 and 2	4	Secretarial Studies 15 and 16	6
Secretarial Studies 11 and 12	8	Secretarial Studies 51-52	6
Electives	6	Secretarial Studies 54	3
		Electives	6
Total	30	Total	30

G—Accounting Curriculum:

The required work may be completed in two years on a full-time basis or in three years on a part-time basis, with the approval of the adviser.

REQUIRED COURSES	Credit Hours
Business Administration 51-52	6
Business Administration 101-2	6
Business Administration 115	3
Business Administration 145	3
Business Administration 151-52	6
Business Administration 155	3
Business Administration 165	3
Business Administration 168	3
Economics 1-2	6
Economics 121	3
English 1 and 2	6
Political Science 127	3
Political Science 128	3
Electives	6
(To be selected with the approval of the adviser.)	
Total	60

* See the chart facing page 57.

† The Junior College curriculum in Secretarial Studies comprises the first two years of a four-year curriculum leading to the degree of Bachelor of Science in Secretarial Administration (see special bulletin). Students with advanced standing in secretarial studies may substitute electives approved by the Faculty adviser.

Psychology 1 is a prerequisite for upper division courses in personnel administration; one year of science and two years of a foreign language (see foreign-language requirements, page 54) are required for the degree of Bachelor of Science in Secretarial Administration.

Physical Education

Physical education is required of all students in the freshman and sophomore years. (See "Physical Education Requirements", page 38.)

Foreign-Language Requirements

The curriculum requirement in foreign languages is articulated with the admission requirements. For the Junior Certificate a student must have completed satisfactorily the equivalent of two years of college work in a single foreign language.

A student offering for admission four acceptable high school units of a single foreign language, or the equivalent, is not required to take any foreign language. If he offers three units, he must complete the second term of the second-year college course in the same language. If he offers two units, he must complete the entire second-year college course in the same language (except in the Pre-Pharmacy Curriculum, where he may substitute another language or elective). If he offers one unit, he must complete the second term of the first-year college course and the entire second-year course in the same language. A student who offers irregular or inadequate preparatory work in a given language, or who has permitted a year or more to elapse since the completion of the second high school unit, must consult the executive officer of the department in question for assignment to proper courses. On written recommendation of the proper executive officer, and with the approval of the Dean of the Junior College, a student may repeat for credit a language course taken in high school.

In some instances foreign languages are required or recommended as a preparation for advanced work in Columbian College and the professional schools. The student should consult his adviser as to these requirements, so that appropriate foreign languages may be included, when necessary, in his Junior College program.

Examinations for Waiving Curriculum Requirements*

A student desiring to omit a required course may take such examination as the department prescribes, and, on passing satisfactorily, he may be relieved of the curriculum requirements in that subject and may qualify for registration in an advanced course. Passing of this examination shall not entitle the student to any hours of credit toward the degree. A student desiring to take such examinations should make the request of the Dean.

* This provision does not apply to the premedical student, all of whose required premedical work must be taken in a recognized college of arts and sciences.

A fee of \$5 for each examination must be paid at the Office of the Comptroller and the receipt exhibited at the door of room 105, Building D, on September 27, at 2:00 P.M. for the fall term, and on January 29, at 2:00 P.M. for the winter term. Two hours are allowed for each examination. Should a student wish to take more than one examination, arrangements will be made accordingly.

Honors

Honorable mention with the Junior Certificate may be granted to the student who has a quality-point index of 3.50 or higher.

MBIAN COLLEGE

, BOTANY, CHEMISTRY, PHYSICS, AND ZOOLOGY

72, 91-92, or Art 11-12, or	6
	6
ive.....	12
ch or German is required. This	
rench 6 or German 6 or by	
Political Science 9-10, or So-	
place of courses in the English	6
21-22, Zoology 1-2.....	24
matika 11-12 (12-19), Physics	to
	28
approval of Faculty Adviser.	
er group a or b.)	
y Adviser.....	8
	to
	12

to 70

with the approval of the department

may enter Chemistry 12 or 12x only

University Calendar for the date for

THE PROFESSIONAL SCHOOLS

D-IV. PHYSICAL EDUCATION FOR WOMEN				E. GOVERNMENT			
FRESHMAN YEAR		SOPHOMORE YEAR		FRESHMAN YEAR		SOPHOMORE YEAR	
English 1, 2.....	6	English 51-52, 71-72, or 91-92.	6	English 1, 2.....	6		
				French, German, Spanish, or elective. ¹	6	French, German, Spanish, or elective. ¹	6
History, Political Science, or Sociology.	6			History 39-40 ² ... Political Science 9-10.	6 6	History 71-72 ² ... Economics 1-2...	6 6
Zoology 1-2	8			Biology, Botany, Chemistry, Geology, Mathematics, Physics, Statistics or Zoology.	6 or 8		
Physical Education 13, 14	4	Physical Education 15-16, 18, 20 Psychology, 1, 22	10 6			Business Administration 51-52. ³	6
Academic	6	Academic	8				6
30		30		30 or 32		30	

COLUMBIAN COLLEGE

THE FACULTY

- Cloyd Heck Marvin, Ph.D., LL.D., *President of the University*
*Henry Grattan Doyle, A.M., *Dean of Columbian College*
Christopher Browne Garnett, Jr., Ph.D., Litt.D., *Assistant Dean of Columbian College*

STAFF OF INSTRUCTION

- Thomas Benjamin Brown, Ph.D., *Professor of Physics*
*Henry Grattan Doyle, A.M., *Professor of Romance Languages*
Robert Fiske Griggs, Ph.D., *Professor of Botany*
John Donaldson, Ph.D., *Professor of Political Economy*
Norris Ingersoll Crandall, M.Arch., *Professor of Art*
Colin Mackenzie Mackall, Ph.D., *Professor of Chemistry*
Edward Henry Sehr, Ph.D., *Professor of German*
Robert Whitney Bolwell, Ph.D., *Professor of American Literature*
Walter Lynn Cheney, Ph.D., *Professor of Physics*
James Henry Taylor, Ph.D., *Professor of Mathematics*
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Elmer Louis Kayser, Ph.D., *Professor of European History*
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Florence Marie Mears, Ph.D., *Professor of Mathematics*
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*Wood Gray, Ph.D., *Professor of American History*
Thelma Hunt, Ph.D., M.D., *Professor of Psychology*
*Harold Friend Harding, Ph.D., *Professor of Public Speaking*
Ira Bowers Hansen, Ph.D., *Professor of Zoology*
James Christopher Corliss, A.M., *Adjunct Professor of Inter-American Economics*
Arthur Edward Burns, Ph.D., *Adjunct Professor of Economics*

* On war leave 1944-45.

John Albert Tillema, Ph.D., LL.M., S.J.D., *Associate Professor of Political Science*

Alan Thomas Deibert, A.M., *Associate Professor of Romance Languages*

*Paul William Bowman, Ph.D., *Associate Professor of Biology*

*Raymond John Seeger, Ph.D., *Associate Professor of Physics*

Lawson Edwin Yocum, Ph.D., *Associate Professor of Botany*

Audley Lawrence Smith, Ph.D., *Associate Professor of English*

*Edward Campion Acheson, Ph.D., *Associate Professor of Finance*

*John Withrow Brewer, Ph.D., *Associate Professor of International Law*

*Donald Chenoweth Kline, B.Arch., *Associate Professor of Art*

*John Francis Latimer, Ph.D., *Associate Professor of Classical Languages*

*Louis Clark Keating, Ph.D., *Associate Professor of Romance Languages*

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*Steuart Henderson Britt, Ph.D., *Assistant Professor of Psychology*

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Lloyd Ancil Spindler, Sc.D., *Lecturer in Zoology*

Howard Wissler Bond, Ph.D., *Lecturer in Chemistry*

COMMITTEES ‡

THE DEAN'S COUNCIL §

1945

Merle Irving Protzman
Thelma Hunt

1946

Colin Mackenzie Mackall
Florence Marie Mears

1947

Thomas Benjamin Brown
Ira Bowers Hansen

* On war leave 1944-45.

‡ The President of the University and the Dean of Columbian College are members ex officio of committees.

§ Elected by the Faculty

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Frank Mark Weida, *Chairman*
Ernest Sewall Shepard, *Secretary*
Maurice Hart Van Horn
Charles William Cole
Donald Stevenson Watson
Wolfram Karl Legner

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The Dean of the College, *Chairman*
Wolfram Karl Legner
(*Languages and Literatures*)
Frank Mark Weida
(*Mathematics and Physical Sciences*)
Lawson Edwin Yocum
(*Natural Sciences*)
Alva Curtis Wilgus
(*Social Sciences*)

COMMITTEE ON SCHOLARSHIP

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Fred Salisbury Tupper

DIVISIONAL ORGANIZATIONS

LANGUAGES AND LITERATURES

Edward Henry Sehrt, *Chairman*
Audley Lawrence Smith, *Secretary*

Educational Committee

Wolfram Karl Legner, *Chairman*
Merle Irving Protzman

MATHEMATICS AND THE PHYSICAL SCIENCES

Francis Edgar Johnston, *Chairman*
Maurice Hart Van Horn, *Secretary*

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Frank Mark Weida, *Chairman*
Thomas Benjamin Brown
Samuel Nathaniel Wrenn

NATURAL SCIENCES

Ira Bowers Hansen, *Chairman*
Edith Elizabeth Mortensen, *Secretary*

Educational Committee

Lawson Edwin Yocum, *Chairman*

Chester Elwood Leese

Thelma Hunt

SOCIAL SCIENCES

Donald Stevenson Watson, *Chairman*James Christopher Corliss, *Secretary*

Educational Committee

Alva Curtis Wilgus, *Chairman*

Willard Hayes Yeager

Frank Mark Weida

GENERAL INFORMATION

INTRODUCTORY

Columbian College was founded in 1821. James Monroe, then President of the United States, aided in obtaining the charter from Congress which established "The Columbian College in the District of Columbia" for the "sole and exclusive purpose of educating youth in the English, learned and foreign languages, the liberal arts, sciences and literature", with full power to confer all degrees "usually granted and conferred in colleges".

In 1930, when the Junior College was established, the name "Columbian College" was bestowed upon the senior college of liberal arts.

THE COLUMBIAN COLLEGE PROGRAM

In The George Washington University, the program for liberal arts and sciences extends from the general collegiate education of the Junior College (the freshman and sophomore years), through the instruction for the Bachelor's degrees of Columbian College (the junior and senior years), and the studies for the Master's degrees which are also in Columbian College, to the graduate discipline leading to the degree of Doctor of Philosophy, which is administered by the Graduate Council.

The purpose of Columbian College is to round out the program of liberal education begun in the Junior College and to bring to a focus educationally the individual talents and aptitudes of the student of liberal arts.

The program involves a comprehensive survey of a field of study, together with such knowledge of other fields as will contribute to the general educational development of the student. A field of study may be confined to one department or may involve a group of related courses in more than one department, or more than one division. The following

divisions have been established in The George Washington University based on the relationship of course content, interrelation of methods and prerequisites, and similarity of background and viewpoint:

1. *The Division of Languages and Literatures.*—The departments of Classical Languages and Literatures, English, Germanic Languages and Literatures, and Romance Languages and Literatures.
2. *The Division of Mathematics and the Physical Sciences.*—The departments of Biochemistry, Chemistry, Mathematics, Pharmacology, Physics, and Statistics.
3. *The Division of the Natural Sciences.*—The departments of Anatomy, Bacteriology, Biology, Botany, Geology, Neurology, Pathology, Physiology, Psychology, and Zoology.
4. *The Division of the Social Sciences.*—The departments of Business Administration, Economics, Education, History, Law, Philosophy, Political Science, Sociology, and Speech.

REGULATIONS

Students in Columbian College are subject to, and are expected to familiarize themselves with, the regulations regarding ADMISSION, REGISTRATION, FEES AND FINANCES stated on pages 10-23, and the University regulations stated on pages 35-40.

AMOUNT OF WORK

A full-time student who is not on probation may take ordinarily not more than seventeen credit hours. A student employed more than twenty-four hours a week, who is not on probation, may take not more than ten credit hours.

A full-time student whose quality-point index is 3.50 or higher may take not more than nineteen credit hours. An employed student who meets the same standard may take not more than twelve credit hours.

A student previously unemployed who accepts employment subsequent to registration or at any time during a term is required to report that fact immediately to the Dean, in order that adjustments in schedule may be made, if necessary, to bring his program within the Faculty's limitations upon the amount of work to be carried by an employed student.

ATTENDANCE

The student is held responsible for all the work of the courses in which he is registered, and all absences must be excused by the instructor in charge before provision is made for the student to make up the work missed.

CLASSIFICATION OF STUDENTS

A student who has completed less than thirty credit hours in Columbian College, and who has registered his major at the Office of the Registrar, is classed as a *junior*. A student who has completed thirty credit hours in

Columbian College, including at least one course in his major, is classed as a *senior*. A student who has satisfactorily completed the work for the Bachelor's degree, and whose program of study has been approved and filed in the Office of the Registrar, is classed as a *master in course*.

INDEPENDENT STUDY PLAN

Under the independent study plan a student of demonstrated capacity, with special interest in the subject matter of a course, may be permitted to undertake independent study under the personal direction of an instructor, in accordance with the rules of the division in which the subject falls. Credit under this plan is limited to the specific course-credits as designated in the list of courses of instruction in the CATALOGUE.

CORRESPONDENCE AND HOME-STUDY COURSES

No credit is given for work done by correspondence or in home-study courses.

THE BACHELOR'S DEGREES

Upon the satisfactory completion of the undergraduate requirements of Columbian College, the degree of Bachelor of Arts or Bachelor of Science is conferred.

In cooperation with the School of Medicine a seven-year curriculum leading to the combined degrees of Bachelor of Arts and Doctor of Medicine is offered.

In cooperation with the Law School a six-year curriculum leading to the combined degrees of Bachelor of Arts and Bachelor of Laws is offered.

REQUIREMENTS FOR THE DEGREES

SCHOLARSHIP

The system of grading and of computing scholarship is described in detail on pages 35 and 36.

In order to graduate, a student must have a general quality-point index of at least 2.00. In addition, he must have a quality-point index of at least 2.50 in his major subject. Grades in courses taken at other institutions are not considered in computing the quality-point index.

In computing the quality-point index in the major, all second-group and third-group courses in the major field taken at The George Washington University are included, even though minimum requirements for the major may have been exceeded. Grades received in first-group courses are not considered.

Probation.—A student must maintain a quality-point index of at least 2.00, or be placed on probation. A student remains on probation as long as his quality-point index is below 2.00, or until his probation is removed by the Committee on Scholarship.

Suspension.—A student who has a quality-point index below 1.00 or who is placed on probation for a third term, whether successive or after an interval, is suspended.

A student suspended for poor scholarship may apply for readmission after an interval of a calendar year. He must then submit evidence to the Committee on Admission and Advanced Standing that during his absence from the University he has so conducted himself as to indicate that he will profit by readmission. A student suspended twice for poor scholarship will not be readmitted.

For the purpose of these rules, the summer sessions are considered a term.

The foregoing scholarship rules are applied to a student with a limited schedule only when he has undertaken a minimum of fifteen credit hours.

Use of Correct English

Any student whose English in any course whatever is deemed unsatisfactory may be reported by the instructor to the Dean and to the Committee on the Use of English. The Chairman of the Committee may assign supplementary work, without academic credit, varying in amount with the needs of the student. If the work prescribed is equivalent to a course, the regular tuition fee is charged. The granting of a degree may be delayed for failure to make up any such deficiency in English to the satisfaction of the Committee and the Dean.

CURRICULUM REQUIREMENTS

Every candidate for graduation must satisfy curriculum A-I or A-II, listed below, leading to the degree of Bachelor of Arts or Bachelor of Science. The curriculum requirements include at least sixty credit hours beyond the requirements of the Junior College, and the satisfactory completion of the major (see "The Undergraduate Major", page 65). At least twenty-four credit hours must be taken in subjects not included in the major.* Not more than twelve credit hours of professional courses may be included in the one hundred and twenty credit hours required for the Bachelor's degrees in Columbian College. Columbian College students electing professional courses under this rule must obtain the approval of the Dean of Columbian College.

* Art, bacteriology, biochemistry, biology, botany, chemistry, classical languages and literatures, economics, English, geology, Germanic languages and literatures, history, mathematics, philosophy, physics, physiology, political science, psychology, Romance languages and literatures, sociology, speech, statistics, zoology.

After selecting a curriculum, a student may not change to another except by permission of the Dean and on condition that he fulfill the requirements of the curriculum to which he changes as of the date when the change is approved by the Dean.

The freshman and sophomore years of each curriculum will be found in the announcement of the Junior College.

Each student is required to select and file with the Registrar a choice of major* upon entering Columbian College. He may change the major only with the consent of the Dean and of the Department or division concerned, and must meet the requirements for the major to which he changes as of the date when the change is approved by the Dean.

First-group courses may be required as prerequisites to undergraduate-major programs, but because of their introductory character may not be counted as part of such programs. (See "Explanation of Course Numbers".)

Examinations for Waiving Curriculum Requirements

A student desiring to omit a required or prerequisite course may take such examination as the department prescribes, and, on passing satisfactorily, he may be relieved of the curriculum or prerequisite requirement in that subject and may qualify for registration in an advanced course. Passing of this examination shall not entitle him to any credit toward the degree. A student desiring to take such examinations should make written request of the Dean.

A fee of \$5 for each examination is to be paid at the Office of the Comptroller and the receipt exhibited at the door of Room 105, Building D, on September 27 at 2:00 P.M. for the fall term, and on January 29 at 2:00 P.M. for the winter term. Two hours will be allowed for the examination. Should a student wish to take more than one examination, arrangements will be made accordingly.

Bachelor of Arts

A-1†. Curriculum Leading to the Degree of Bachelor of Arts.—The work of the junior and senior years, including a major, must be approved by the major department or division and by the Dean.

Combined Degrees of Bachelor of Arts and Doctor of Medicine.—A candidate for the combined degrees of Bachelor of Arts and Doctor of Medicine must: (1) complete the premedical college requirements (see page 14 and curriculum A-I or A-II on the chart facing page 56); (2) fulfill the Columbian College residence requirement of at least thirty credit hours; (3) obtain the approval of the Dean of Columbian College at the time of entering the School of Medicine; (4) obtain the recom-

* See pages 65-67 for a description of the undergraduate major.

† See the table of the Junior College curricula facing page 56.

commendation of the Dean of the School of Medicine at the completion of all prescribed courses in the first year of the School of Medicine, at which time the degree of Bachelor of Arts will be conferred (Professional work taken at another institution will not satisfy the major requirement for the combined degrees.); (5) maintain throughout the entire course the scholarship level required for graduation.

Combined Degrees of Bachelor of Arts and Bachelor of Laws.—A candidate for the combined degrees of Bachelor of Arts and Bachelor of Laws must: (1) complete three years of satisfactory college work; (2) fulfill the Columbian College residence requirement of at least thirty credit hours; (3) obtain the approval of the Dean of Columbian College at the time of entering the Law School; (4) obtain the recommendation of the Dean of the Law School at the completion of the first year of the Law School, at which time the degree of Bachelor of Arts will be conferred (Professional work taken at another institution will not satisfy the major requirement for the combined degrees.); (5) maintain throughout the entire course the scholarship level required for graduation.

Bachelor of Science

A-II.* *Curriculum Leading to the Degree of Bachelor of Science.*—The work of the junior and senior years, including a major in one of the sciences mentioned below, must be approved by the major department or division and by the Dean.

Biological Sciences

Biology
Botany
Geology
Zoology

Physical Sciences

Chemistry
Mathematics
Physics

THE UNDERGRADUATE MAJOR†

There are two types of undergraduate majors: the *New-Type* or field-of-study major; and the *Old-Type* or departmental major.

THE NEW-TYPE MAJOR

Definition of New-Type Major.—Each new-type major covers a carefully worked out field of coordinated study and is under the supervision of the division or divisions concerned. The content of the major is defined in terms of related subject matter, not in terms of courses and hours of credit. The passing of a written examination in the field of the major is evidence that the requirements for the major have been satisfied.

*See the table of the Junior College curricula, facing page 56.

† For a complete description of the undergraduate major, see the special bulletin.

Under the new type, the following majors are offered: (1) American Thought and Civilization, (2) Biology, (3) English Literature, (4) French Literature, (5) Hispanic American Civilization and Culture, (6) Hispanic American Economics, (7) History, (8) International Relations, (9) Philosophy, (10) Spanish American Literature, (11) Spanish Literature, (12) Statistics, (13) Zoology.

Of the new-type majors offered, two, those in International Relations and in Biology, extend broadly over the work of their respective divisions, and another, that in the field of American Thought and Civilization, involves studies in two divisions, those of Languages and Literatures and of Social Sciences. The other majors, with the exception of the major in Spanish American Literature, replace old-type majors in their respective fields.

These major fields involve the departments of English, French, History, Philosophy, Spanish, Statistics, and Zoology. A new candidate for a major in the work of these departments must elect a new-type major. A student who began work on a major in these departments before the new-type major was established will be permitted to complete his old-type major.

Proseminar in the Major

For the convenience of the student a proseminar course is offered in each field of study, under the supervision of the division in which the major is taken. This course, planned and administered by the professor or adviser of the major subject, will advise, guide, and instruct the student in his reading, study, and laboratory exercises in order to assist him in gaining a coordinated knowledge of his field. It is a presentation of the content and methods of the major field as a whole through the organization and coordination of the knowledge obtained in the various formal courses in the major subject and of material not usually included in such courses. This course is not required. Six credit hours, but no qualitative grade, may be assigned. When registered in this course, the student will have the privilege of visiting any other course offered in the college.

Proseminars are offered in new-type major fields and are open only to the student who has been accepted as a candidate under that specific new-type major.

The Major Examination

The major examination will normally be taken by the student at the close of the senior year; in the case of the student on a limited schedule, the major examination may be taken not earlier than one calendar year

before graduation. A student who fails to pass a major examination may, at the discretion of the Columbian College Committee on Studies, be re-examined at a later regular major-examination period. The educational committees of the respective divisions will have general supervision of the preparation, reading, and grading of major examinations. Major examinations will be held in each regular term on dates fixed by the respective educational committees, but in no case later than January 15 for the fall term, May 15 for the winter term, and August 7 for the summer term.

THE OLD-TYPE MAJOR

Until further notice departmental majors will be offered in the following: Art, Botany, Chemistry, Classical Languages and Literatures, Economics, Geology, Germanic Languages and Literatures, Mathematics, Physics, Political Science, Psychology, Sociology, and Speech.

Requirements for the major will be found under the courses of instruction of the department concerned immediately following the listing of the faculty of the department.

THE MASTER'S DEGREES

Upon the satisfactory completion of the graduate requirements of Columbian College, the degree of Master of Arts or Master of Science is conferred.

DEFINITION OF THE MASTER'S WORK

The study leading to the degree of Master of Arts or Master of Science is a comprehensive survey of a field of knowledge. It is a continuation of the work of the student's undergraduate major and involves a greater acquaintance with scholarly method.

The student must satisfy certain minimum requirements as to previous preparation, residence, ability to read an approved modern foreign (European) language, and courses taken; but these requirements, while essential, are regarded primarily as qualifying measures. The student's knowledge of his field, as demonstrated by his thesis and by the results of his Master's examination (together with such other examinations involving special skills or techniques as the department or division may require), is the basis upon which the Master's degree is conferred.

REQUIREMENTS FOR THE DEGREES

RESIDENCE

An academic year of residence in Columbian College is required, i.e., completion of a minimum of thirty credit hours of work including the

thesis, which is counted as the equivalent of six credit hours of course work. Summer term work may be counted in residence, but in no case may the period of residence aggregate less than twenty-seven weeks. Not more than twelve credit hours (which must be approved in advance by the Dean of Columbian College) may be taken in another school or division of this University, and such work may not be counted toward both a degree in that school or division and the Master's degree in Columbian College. No part of the minimum requirement may be taken elsewhere. All work for the degree of Master of Arts or Master of Science must be completed within a maximum of three years, unless the Dean's Council considers the circumstances so unusual as to justify an extension of time.

SCHOLARSHIP

A student whose scholarship is unsatisfactory may be suspended by the Dean upon recommendation of the division under which the student is working. Regarding the system of grading, see pages 35 and 36.

PROGRAM OF STUDIES

The student's program of studies must be outlined in detail at the beginning of his work, in triplicate on forms available at the Office of the Dean. Each program is subject to the approval of the department and the division. The program may be revised as the occasion requires, but any change necessitates a repetition of the procedure just described.

Courses numbered from 1 to 100 may not be credited toward the Master's degree, but may in certain instances be required as a basis for advanced work. (See "Explanation of Course Numbers".)

A student who expects to continue his studies for the degree of Doctor of Philosophy after receiving the Master's degree is strongly advised so to plan his program from the beginning that work for the lower degree may help to prepare him for the higher.

ADMISSION TO CANDIDACY

A student must have been admitted to candidacy, at the discretion of the department and the division concerned, before he begins the last half of his work for the Master's degree. Application for admission to candidacy is made on a form obtained at the Office of the Registrar, and must be approved by the appropriate representative of the division and by the Dean. If a prospective candidate, in his previous academic work, has not substantially satisfied the prerequisites for the Master's degree, including the undergraduate major as defined by the appropriate department or division, he will not be admitted to candidacy until such deficiency has been made up.

Before being admitted to candidacy the student must also show that he has a reading knowledge (certified by the appropriate foreign-language department) of at least one modern foreign (European) language, selected by the division under which he is studying. A student whose field is a modern foreign language or literature may not offer that language in satisfaction of the reading-knowledge requirement. Examinations in modern foreign languages will be given on Saturday, October 14, Saturday, February 3, and Saturday, May 5, at 2:00 P.M. In exceptional circumstances the respective departments will arrange for examinations at other times.

THE MASTER'S THESIS

The thesis may be of a research, expository, critical, or creative type. The main purpose of a Master's thesis is to demonstrate the student's ability to make independent use of the information and training acquired through his other disciplines, and to furnish objective evidence of his constructive powers in his chosen field. Registration for the thesis must be no later than the beginning of the final year of preparation, unless the professor in charge of the thesis permits registration at the beginning of the final term. The choice of the thesis subject must be approved by the professor in charge of the student's field and recorded in the Office of the Registrar by the date announced in the University calendar. Registration for the thesis is ordinarily made on the basis of three credit hours for two successive terms. In exceptional cases, and with the approval of the professor in charge of the thesis, the student may register for the entire six credit hours during a single term. The typewritten thesis in its final form must have the approval of the professor in charge of the student's field and of the educational committee of the division concerned, and must be presented to the Dean by the student not later than the date announced in the University calendar. Requirements regarding the form of the thesis are stated on page 39, and additional information will be supplied by the Dean.

Payment of tuition for the thesis entitles the candidate, during the academic year of registration, to the advice and direction of the member of the faculty under whom the thesis is to be written. In case a thesis is unfinished, an additional successive academic year may be granted without further tuition payment. If the preparation of the thesis extends beyond the two-year period the student must register for it again, and pay tuition on the same basis as for a repeated course.

THE MASTER'S EXAMINATION

In addition to such other examinations as may be required, the candidate must pass a general written examination on the major subject.

Examinations will be held on dates fixed by the respective educational committees, but in no case later than January 15 for the fall term, May 15 for the winter term, and August 7 for the summer term. The provisions of the new plan for undergraduate majors, as far as they concern the general examination for the major, also apply to the Master's examination. A candidate who fails to pass the Master's examination may, in exceptional circumstances and with the specific approval of the division concerned, repeat the examination, but only after the lapse of one term. If he fails a second time, no further opportunity to take the examination will be permitted.

THE GRADUATE COUNCIL

Cloyd Heck Marvin, Ph.D., LL.D., *President of the University*
Robert Whitney Bolwell, Ph.D., *Chairman of the Graduate Council*

MEMBERS OF THE COUNCIL

Thomas Benjamin Brown, Ph.D., *Professor of Physics*
Charles Sager Collier, A.B., LL.B., S.J.D., *Professor of Law*
*Henry Grattan Doyle, A.M., *Professor of Romance Languages*
Robert Fiske Griggs, Ph.D., *Professor of Botany*
John Donaldson, Ph.D., *Professor of Political Economy*
Joseph Hiram Roe, Ph.D., *Professor of Biochemistry*
George Byron Roth, A.B., M.D., *Professor of Pharmacology*
Colin Mackenzie Mackall, Ph.D., *Professor of Chemistry*
Edward Henry Sehrt, Ph.D., *Professor of German*
Robert Whitney Bolwell, Ph.D., *Professor of American Literature*
William Cullen French, Ph.D., *Professor of Education*
James Henry Taylor, Ph.D., *Professor of Mathematics*
Errett Cyril Albritton, A.B., M.D., *Professor of Physiology*
Elmer Louis Kayser, Ph.D., *Professor of European History*
Donnell Brooks Young, Ph.D., *Professor of Zoology*
George Antony Gamow, Ph.D., *Professor of Theoretical Physics*
*Edward Teller, Ph.D., *Professor of Physics*
Frank Mark Weida, Ph.D., *Professor of Statistics*
Warren Reed West, Ph.D., *Professor of Political Science*
Lowell Ragatz, Ph.D., *Professor of European History*
Francis Edgar Johnston, Ph.D., *Professor of Mathematics*
*Benjamin Douglass Van Evera, Ph.D., *Professor of Chemistry*
William Crane Johnstone, Jr., Ph.D., *Professor of Political Science*
*Mitchell Dreese, Ph.D., *Professor of Educational Psychology*
Leland Wilbur Parr, Ph.D., *Professor of Bacteriology*
Saul Chesterfield Oppenheim, A.M., J.D., S.J.D., *Professor of Law*
Alva Curtis Wilgus, Ph.D., *Professor of Hispanic American History*
*Wood Gray, Ph.D., *Professor of American History*
*Ralph Edward Gibson, Ph.D., *Adjunct Professor of Chemistry*
‡Joseph Quincy Adams, Ph.D., Litt.D., *Adjunct Professor of English*
*William Webster Diehl, Ph.D., *Adjunct Professor of Mycology*
Arthur Edward Burns, Ph.D., *Adjunct Professor of Economics*
Chester Elwood Leese, Ph.D., *Associate Professor of Physiology*
*Raymond John Seeger, Ph.D., *Associate Professor of Physics*

* On war leave 1944-45.

‡ On leave of absence 1944-45.

- *John Withrow Brewer, Ph.D., *Associate Professor of International Law*
 *Howard Maxwell Merriman, Ph.D., *Associate Professor of American Diplomatic History*
 *George Winchester Stone, Jr., Ph.D., *Associate Professor of English*
 Donald Stevenson Watson, Ph.D., *Associate Professor of Economics*
 Fred Salisbury Tupper, Ph.D., *Associate Professor of English*
 Angus MacIvor Griffin, Ph.D., *Associate Professor of Bacteriology*
 *Steuart Henderson Britt, Ph.D., *Assistant Professor of Psychology*

CONSULTANTS IN RESEARCH

- Arnold Kent Balls, Ph.D., *Research Associate in Enzymology*
 Allen Buchanan, Ph.D., *Research Associate in Economics*
 Paul Simon Galtsoff, Ph.D., *Research Associate in Invertebrate Zoology*
 Carroll Leonard Shartle, Ph.D., *Research Associate in Personnel Psychology*
 Willard Hull Wright, D.V.M., Ph.D., *Research Associate in Parasitology*

GENERAL INFORMATION

INTRODUCTORY

The Graduate Council, a reorganization of the Graduate School of Letters and Sciences which had heretofore administered the disciplines leading to the Master of Arts and Doctor of Philosophy degrees, was instituted in 1930. Since then the Graduate Council has offered a program of advanced study and research leading only to the degree of Doctor of Philosophy.

The purpose of the Graduate Council of The George Washington University is to create a fellowship between the Masters in Research in the various fields and the students who have apprenticed themselves to these Masters, and through this fellowship to foster a creative spirit in the graduate studies leading to the degree of Doctor of Philosophy. The basic conception of this degree is the attainment of a mastery of related fields of knowledge, achieved without regard to specific courses of instruction and culminating, through original research, in a contribution to knowledge. It is hoped that in the development of this program the historical relationship of master and apprentice may be revived. In keeping with this idea a student, after satisfying certain requirements, is responsible solely to the Master under whom he has signified his desire to work.

APPLICATION TO UNDERTAKE DOCTORATE DISCIPLINES

A student wishing to undertake work under the Graduate Council must possess an adequate academic preparation for advanced study in the proposed field, as evidenced by satisfactory Bachelor's and Master's

* On war leave 1944-45.

degrees, or the equivalent, together with acceptable personal qualities and capacity for creative work.

After an applicant's credentials have been filed with the Director of Admissions of the University, the Chairman of the Graduate Council will appoint a consultative committee (usually composed of five members), which will evaluate the records submitted and interview the applicant. The applicant will also meet the personnel committee of the Graduate Council. When the recommendations of the consultative and personnel committees have been presented, the Graduate Council will act upon the application for candidacy for Fellowship in the Graduate Council.

CANDIDACY FOR COUNCIL FELLOWSHIP EXAMINATION

If accepted, the candidate must demonstrate his ability to read both French and German and must satisfy all other prerequisites for advanced study specified by the consultative committee. The necessary examinations will be arranged by the Chairman of the Graduate Council.

The consultative committee will, after conference with the candidate, designate a program of study in the several fields of learning on which the candidate must stand examination as a part of the requirements for admission to Fellowship in the Graduate Council. Ordinarily courses of instruction are assigned by the consultative committee only to make up deficiencies.

The candidate will be directed by his consultative committee throughout the entire period of preparation for this Council Fellowship examination.

THE COUNCIL FELLOWSHIP EXAMINATION

Upon application of the consultative committee the Chairman of the Graduate Council will set a date for the Council Fellowship examination and appoint an examining committee, composed of the members of the consultative committee and at least two other members of the Graduate Council. The Council Fellowship examination will be a written examination, conducted during a period of one week. The candidate, in consultation with the Chairman of the Graduate Council, will have designated the Master with whom he wishes to undertake research if admitted as a Fellow. If he is successful in the Council Fellowship examination and is accepted by the Master, the candidate will be nominated to the Graduate Council for election as a Fellow.

FELLOWSHIP IN THE GRADUATE COUNCIL

When a student has been admitted as a Fellow of the Graduate Council, his consultative committee will be discharged and he will become

responsible to his Master alone for the development of his field, the selection of a thesis subject, and the preparation of his thesis. He will be formally inducted into Fellowship, which carries with it the privilege of membership in the Graduate Council, including participation in its general meetings, and unrestricted use of all the academic facilities of the University. The Master may refer the Fellow to other institutions for special study, under arrangements made by the Council.

THE THESIS

Not later than the date specified in the University calendar the Fellow must submit to the Chairman of the Graduate Council one typewritten original and two legible and complete carbon copies of his thesis in its final form and also a typewritten summary of the thesis consisting of not more than 2,500 words. Requirements regarding the form of the thesis are stated on page 39, and additional information will be supplied by the Chairman.

The summaries of accepted theses will be printed in a volume forming a number of the University BULLETIN. The successful candidate for the doctorate is required, before receiving his degree, to pay a fee to cover the expense of printing the summary of his thesis.

THE FINAL EXAMINATION

After the presentation of the Fellow's thesis, the Chairman of the Council, upon application of the Master, will set the date of the final examination and appoint the final examination committee. The examiners will include at least five members of the Graduate Council other than the Master, and at least two qualified experts in the Fellow's special field from other institutions of research. The Master will present the Fellow to the examining committee. In this final examination, which will be oral, the Fellow will defend his thesis in relation to the field of learning in which it lies. The examination will be public.

THE DEGREE OF DOCTOR OF PHILOSOPHY

If the Fellow satisfies this committee in respect to the high quality of his contribution to knowledge and his mastery of the field, he will be recommended by the committee to the Graduate Council and, if approved, nominated by the Council to the Board of Trustees of the University for the degree of Doctor of Philosophy.

TEACHING FELLOWSHIPS

Teaching fellowships are available in the departments of Bacteriology, Biochemistry, Botany, Chemistry, Economics, English, History, Physics, Psychology, Romance Languages, and Statistics. An announcement re-

garding qualifications and application for these fellowships will be sent upon request to the Chairman of the Graduate Council.

REGULATIONS

Candidates and Fellows in the Graduate Council are subject to, and are expected to familiarize themselves with, the regulations regarding ADMISSION, REGISTRATION, FEES AND FINANCES stated on pages 10-23, and the University regulations stated on pages 35-40.

RESIDENCE AND CONTINUOUS REGISTRATION

The Graduate Council expects all students to work on their doctoral programs in residence, although there is no formal regulation concerning the amount of time of resident study either in preparation for the Council Fellowship examination or as a Fellow of the Council engaged in doctoral research. The student who undertakes either part of the doctoral program on full or limited schedule must, in accordance with University regulations, maintain continuous registration under the Graduate Council even when the Council has granted a leave of absence for study or residence elsewhere. Failure to maintain registration in each term of the academic year disrupts the residence status of the student under his consultative committee or his Master in Research. In such a case, the student must reapply for admission to the Council, under whatever new conditions and regulations are set up by his consultative committee or by his Master in Research.

A pamphlet describing details of the Graduate Council program will be sent upon request to the Office of the Graduate Council.

THE SCHOOL OF MEDICINE

THE FACULTY

Cloyd Heck Marvin, Ph.D., LL.D., *President of the University*
Walter Andrew Bloedorn, A.M., M.D., *Dean of the School of Medicine*

William Thornwall Davis, M.D., *Professor of Ophthalmology*
Joseph Hiram Roe, Ph.D., *Professor of Biochemistry*
George Byron Roth, A.B., M.D., *Professor of Pharmacology*
Walter Freeman, Ph.D., M.D., *Professor of Neurology*
Walter Andrew Bloedorn, A.M., M.D., *Professor of Medicine*
Charles Stanley White, M.D., *Professor of Surgery*
Errett Cyril Albritton, A.B., M.D., *Professor of Physiology*
Roger Morrison Choisser, B.S., M.D., *Professor of Pathology*
Winifred Overholser, A.B., M.D., Sc.D., *Professor of Psychiatry*
Leland Wilbur Parr, Ph.D., *Professor of Bacteriology*
Frederick August Reuter, M.D., *Professor of Urology*
Harry Ford Anderson, M.D., *Professor of Dermatology and Syphilology*
Claude Matthews McFall, LL.B., Ph.D., *Professor of Anatomy*
Daniel Bruce Moffett, A.B., M.D., *Professor of Oto-rhino-laryngology*
James Emory Phillips, M.D., *Lieutenant Colonel, Medical Corps, United States Army, Professor of Military Science and Tactics*
John Louis Parks, M.S., M.D., *Professor of Obstetrics and Gynecology*
Preston Alexander McLendon, B.S., M.D., *Professor of Pediatrics*
*Howard Francis Kane, A.B., M.D., *Clinical Professor of Obstetrics and Gynecology*
Radford Brown, M.D., *Clinical Professor of Obstetrics and Gynecology*
Thomas Carlton Thompson, B.S., M.D., *Clinical Professor of Urology*
*Daniel LeRay Borden, A.M., M.D., *Clinical Professor of Surgery*
James Winston Watts, B.S., M.D., *Clinical Professor of Neurosurgery*
Chester Elwood Leese, Ph.D., *Associate Professor of Physiology*
Thomas Martin Peery, A.B., M.D., *Associate Professor of Pathology*
Ernest Alfred Watson Sheppard, M.D.C.M., *Associate Clinical Professor of Ophthalmology*
Frank Adelbert Hornaday, M.S., M.D., *Associate Clinical Professor of Medicine*

* On war leave 1944-45

COMMITTEES*

THE DEAN'S COUNCIL

Winfred Overholser

Charles Stanley White

Joseph Hiram Roe

COMMITTEE ON ADMINISTRATION OF THE UNIVERSITY HOSPITAL AND DISPENSARY

Walter Andrew Bloedorn, *Chairman*

Howard Francis Kane

Charles Stanley White

COMMITTEE ON ADMISSIONS

Joseph Hiram Roe, *Chairman*

Leland Wilbur Parr

COMMITTEE ON CURRICULUM

Roger Morrison Choisser, *Chairman*

Leland Wilbur Parr

Harry Fillmore Dowling

COMMITTEE ON GRADUATE STUDIES

Errett Cyril Albritton, *Chairman*

Walter Freeman

George Byron Roth

COMMITTEE ON LIBRARY

George Byron Roth, *Chairman*

Thomas Martin Peery

Harry Ford Anderson

COMMITTEE ON RESEARCH

Roger Morrison Choisser, *Chairman*

Errett Cyril Albritton

COMMITTEE ON SCHOLARSHIP

Joseph Hiram Roe, *Chairman*

Howard Francis Kane

Roger Morrison Choisser

Leland Wilbur Parr

* The President of the University and the Dean of the School of Medicine are members *ex officio* of all committees.

HOSPITAL STAFF APPOINTMENTS

Members of the staff assigned to the University Hospital and Dispensary and those assigned to the Gallinger Hospital Service are listed in the bulletin of the School of Medicine.

GENERAL INFORMATION

INTRODUCTORY

The School of Medicine of The George Washington University was opened in March 1825; of the medical schools now in existence in the United States, it is the eleventh in chronological order of founding. The University Hospital and Dispensary were established in 1898 and made a part of the organization of the School.

The School is a member of the Association of American Medical Colleges and is one of the medical colleges which have been designated continuously as "class A" by the American Medical Association. The degrees of the School of Medicine are recognized by all state examining boards.

PLAN OF INSTRUCTION

The George Washington University School of Medicine, recognizing the urgent need for medical services during the war period, has reorganized its course to permit the completion of the customary four academic years in three calendar years. Each academic year will be composed of two terms totaling thirty-six weeks. A new class will be admitted every other term. In approving the plan adopted by the Faculty of the School of Medicine, the Board of Trustees authorized its continuance for the duration of the war.

EQUIPMENT AND FACILITIES

Medical School Building.—The building housing the School of Medicine is a five-story structure with lecture rooms and classrooms, laboratories, and students' rooms.

Laboratories.—A four-story laboratory building is adjacent to the main medical building. The major laboratories are for anatomy, histology and embryology, bacteriology, hygiene and preventive medicine, biochemistry, pathology, pharmacology and physiology, and clinical microscopy. They are fully equipped to enable students to pursue adequately the laboratory courses and to acquire the technical skill necessary in modern clinical and investigative work.

Medical Library.—The Library contains a selected reference collection of more than 5,000 volumes, and provision is made to add to it the important new medical works. The principal medical periodicals are received regularly.

The University Hospital and the University Dispensary.—The Hospital and Dispensary are adjacent to the School of Medicine and are controlled by the Faculty of Medicine.

GOVERNMENT LIBRARIES AND MUSEUMS

The Library of the Surgeon General's Office of the United States Army is the most complete general medical library in the world. In addition to its great collections of medical works, all leading medical periodicals of the world are available. This Library, as well as the Library of Congress, the Public Library, and the many excellent libraries of the various government departments, is available to students and teachers through a service maintained by the Medical School Library.

The Army Medical Museum affords opportunity for studying the conditions met in military and general medicine and surgery. Its collection of anatomical and pathological specimens is unequaled by any other museum in this country. The Museum of Hygiene, the National Museum, the Smithsonian Institution, the Botanic Gardens, and the Department of Agriculture all afford opportunities for study in Medicine and its allied sciences.

CLINICS

The city of Washington, with about a million inhabitants, provides ample clinical material. The University Hospital and Dispensary furnish clinical facilities and a large proportion of the materials studied in the courses in pathology and clinical pathology.

The University Hospital.—All clinics are under the supervision of the Dean, who is also Medical Director of the Hospital. This insures the highest possible utilization of available clinical material for teaching purposes and the proper supervision of clinicians and students; it brings the individual student into direct contact with patients and requires him to do, under authoritative supervision, the clinical and laboratory work necessary for diagnosis and treatment; and it permits proper interpretation of the conditions occurring during the progress of cases and promotes the keeping of adequate records. Clinical and clinico-pathological conferences are held in which the history of cases, the physical findings, laboratory records, and the post-mortem pathology when available, are presented and correlated.

The University Dispensary.—The Dispensary has a large out-patient service in all departments, to which several thousand visits are made

annually. Fourth-year students are assigned in rotation by sections for clinical instruction in the Dispensary.

Gallinger Municipal Hospital.—Clinical instruction is available in all branches of medicine. A great wealth of clinical material is afforded in this hospital by ordinance of the municipal authorities of the District of Columbia, whereby one half of the patients are assigned for treatment and clinical teaching to members of the Faculty of this School, nominated by this University. Third-year students serve their clinical clerkships at this institution.

Children's Hospital.—Clinical instruction in pediatrics, dermatology, and orthopedic surgery.

Emergency Hospital and Central Dispensary.—Clinical instruction in medicine, surgery, obstetrics and gynecology, and the specialties.

Garfield Memorial Hospital.—Clinical instruction in gynecology and obstetrics in the out-patient department, on the wards, and in the operating room.

St. Elizabeths Hospital.—Clinical instruction in mental and nervous diseases, medicine, post-mortem work, and gross pathology. This hospital, with five and one-half thousand beds, is maintained by the United States Government. The psychiatric clinic is one of the largest in the world.

Episcopal Eye, Ear and Throat Hospital.—Clinical instruction in ophthalmology, otology, rhinology, and laryngology.

Columbia Hospital.—Clinical instruction in gynecology and obstetrics in the out-patient department, on the wards, and in the operating room.

ADMISSION, REGISTRATION, FEES AND FINANCIAL REGULATIONS

Students in the School of Medicine are subject to, and are expected to familiarize themselves with, the regulations stated on pages 10-23.

Registration in the School of Medicine is for a period of one academic year of two terms. After the student has entered the courses of instruction he is obligated for the full tuition for the year. No part of the tuition will be refunded upon withdrawal or dismissal for any cause. Acceptance by the School of a student's fees does not in any way obligate the School to accept the student for any subsequent year.

A fee of \$3 to defray the costs of completing the records for final consideration for admission must accompany each application. Fees for each term (including the University fee) are \$275, payable in advance.

Because the number of applicants far exceeds the limit of each class, places can be reserved for only those qualified applicants who remit a deposit of \$100 which will be credited toward the tuition of the first term. Should the matriculant be unable to attend, this initial payment, less a charge of \$50 for registration, transfer, etc., will be returned up to one month before the opening of the term.

Credit for work will not be given until, at the completion of a laboratory course, the student has replaced or paid for all articles of equipment or other University property which he has lost, broken, or destroyed. All breakage or loss not directly traceable to an individual student is assessed pro rata.

COST OF TEXTBOOKS AND STUDENT EQUIPMENT

The minimum cost of necessary textbooks and student equipment (microscope, drawing materials, glass slides, clinical thermometer, stethoscope, hemocytometer, etc.) is approximately as follows: first year, \$250; second year, \$100; third year, \$75; fourth year, \$75; total \$500.

REGULATIONS

Students in the School of Medicine are subject to, and are expected to familiarize themselves with, the general University regulations stated on pages 35-40.

ABSENCE

Absence is not allowed unless an excuse is obtained from the Dean or the instructor.

Absence consists in being away from a class or clinic during a scheduled period, entering after the class or clinic has begun, or leaving before either is dismissed.

Excuse for absence due to sickness must be accompanied by a certificate signed by the attending physician and must be filed in the Office of the Dean.

For every unexcused absence a department will deduct one-half of one per cent from the student's final grade in the subject involved.

GRADES

The following grading system is used: *A* (90-100); *B* (80-89); *C* (75-79); *D* (65-74), condition; *E* (below 64) failure; *Inc.*, incomplete. The passing grade in each subject is *C*.

FAILURE

A student who has failed in any subject will not be advanced until such failure is removed and then only by authority of the Committee on Scholarship. All conditions must be removed at the next make-up examination period provided for this purpose.

EXAMINATIONS

Examinations, which may be written, oral, or practical, will be held at the end of each term.

A student who fails to appear at a regularly scheduled final examination will not be examined until the next regular examination, except by special permission of the Committee on Scholarship. For make-up examinations to remove conditions, a fee of \$5 will be charged for each subject.

All students in the School of Medicine are required to take Part I and Part II of the National Board Examinations, except that students from those states and foreign countries which do not recognize the National Board may be exempted from Part II by action of the Committee on Scholarship.

SPECIAL UNDERGRADUATE AND GRADUATE ADVANTAGES

PHYSICAL EXAMINATIONS*

All first-year students are given a comprehensive physical examination by the Department of Health Administration upon admission to the School of Medicine. The students are informed of the findings and advised regarding such measures as will tend to maintain a high standard of health.

In addition medical students benefit from the complete Tuberculosis Case Finding Program which the School has maintained since 1938-39. Under this program all students receive tuberculin tests, X-ray examinations, and such special attention from chest specialists as is necessary to reduce to a minimum the dangers from tuberculosis to which medical students are believed to be subject. Students are immunized against those diseases for which proven prophylactics exist.

RESERVE OFFICERS' TRAINING CORPS, U. S. ARMY, MEDICAL UNIT

A Medical Unit of the Reserve Officers' Training Corps is established in this School by authority of the Secretary of War, and an officer of the Medical Corps of the Army is detailed to the University for supervision and instruction of the unit.

Membership in the Unit, which is voluntary, is open to any physically fit male student who is a citizen of the United States. The instruction is divided into two two-year courses, the basic and the advanced. Students who satisfactorily complete the basic course may, up to the quota allowed by the War Department, enter the advanced course. A student

* A charge of \$2 is made if a student fails to appear for a physical examination during the period set for this purpose.

who enters the advanced course receives approximately \$200 from the Government. He is obligated to complete the course.

A student who successfully completes the course is recommended for a commission in the Medical Section, Officers' Reserve Corps, if he desires appointment. A graduate may, after completion of one year's internship in a civil hospital, compete in the examinations held yearly for appointment as first lieutenant in the Medical Corps, Regular Army.

All students in the School of Medicine are required to attend all lectures for the Reserve Officers' Training Unit.

HOSPITAL APPOINTMENTS

Interns and residents are appointed annually in the University Hospital.

Students who, after graduation, desire internships in other hospitals should apply directly to the institution which they wish to enter. A list of hospitals approved for intern training is published annually in the *Journal of the American Medical Association*, and a copy of the list may be consulted in the Office of the Dean.

COMMISSION ON LICENSURE, DISTRICT OF COLUMBIA

Graduates who wish to take the examinations of the Commission on Licensure, District of Columbia, or desire to use the District license for reciprocity with the states, should apply to the Secretary, Commission on Licensure, Healing Arts Practice Act, District Building, Washington, D. C.

DEPARTMENTS OF INSTRUCTION

The work of the School is organized under the following departments: Anatomy; Bacteriology, Hygiene, and Preventive Medicine; Biochemistry; Dermatology and Syphilology; Medicine; Military Science and Tactics; Neurology; Obstetrics and Gynecology; Ophthalmology; Otorhino-laryngology; Pathology; Pediatrics; Pharmacology and Therapeutics; Physiology; Psychiatry; Surgery; and Urology.

CLINICS

Courses of clinical instruction are included in the announcements of the clinical departments. The Dean prepares schedules of clinics and of student section assignments to the various hospitals and dispensaries.

THE DEGREE OF DOCTOR OF MEDICINE

Upon the satisfactory completion of the requirements of the School of Medicine, the degree of Doctor of Medicine is conferred.

REQUIREMENTS FOR THE DEGREE

Every candidate for graduation with the degree of Doctor of Medicine must be at least twenty-one years of age, of reputable character, and free of all indebtedness to the University. He must have satisfied the admission requirements, completed satisfactorily not less than four academic years of study as a matriculated student in Medicine, completed all required courses, and passed satisfactorily all prescribed examinations.

COMBINED ARTS AND MEDICINE CURRICULUM

The candidate registers in the Junior College for the freshman and sophomore years of the premedical curriculum and in Columbian College for the junior year. In order to be recommended for the degree of Bachelor of Arts, he must complete at least ninety credit hours of prescribed college work exclusive of Physical Education (at least thirty credit hours and one year of residence must be completed in Columbian College), and the first year of the medical curriculum. Upon satisfactory completion of the fourth year in the medical curriculum the student becomes eligible for the degree of Doctor of Medicine.

HONORS

A candidate who has completed the four-year medical course with an average grade of *A* may be recommended for graduation "with distinction".

THE LAW SCHOOL

THE FACULTY

Cloyd Heck Marvin, Ph.D., LL.D., *President of the University*
William Cabell Van Vleck, A.B., LL.B., S.J.D., *Dean of the Law School*

STAFF OF INSTRUCTION

William Cabell Van Vleck, A.B., LL.B., S.J.D., *Professor of Law*
Charles Sager Collier, A.B., LL.B., S.J.D., *Professor of Law*
Hector Galloway Spaulding, B.S., LL.B., S.J.D., *Professor of Law*
*William Thomas Fryer, A.B., LL.B., J.D., *Professor of Law*
Saul Chesterfield Oppenheim, A.M., J.D., S.J.D., *Professor of Law*
*Carville Dickinson Benson, A.B., LL.B., S.J.D., *Professor of Law*
Lloyd Hall Sutton, B.S., LL.B., *Adjunct Professor of Law*
Spencer Gordon, A.B., LL.B., *Adjunct Professor of Law*
Conway Peyton Coe, A.B., LL.B., *Adjunct Professor of Law*
Levi Russell Alden, A.M., LL.B., *Adjunct Professor of Law*
George Bowdoin Craighill, A.B., LL.B., *Adjunct Professor of Law*
James Ward Morris, A.B., *Adjunct Professor of Law*
James Oliver Murdock, Ph.B., LL.B., *Adjunct Professor of Law*
Thomas Armitage Larremore, A.M., LL.B., *Visiting Professor of Law*
*James Forrester Davison, A.B., LL.M., S.J.D., *Associate Professor of Law*
*John Albert McIntire, A.B., LL.B., *Associate Professor of Law*
*William Randall Compton, M.B.A., LL.B., J.S.D., *Associate Professor of Law*
*Chester Charles Ward, B.S., LL.M., *Associate Professor of Law*
‡Clarence Altha Miller, LL.M., *Lecturer in Law*
James Robert Kirkland, A.B., LL.M., *Lecturer in Law*
*James Albert Pike, A.B., LL.B., J.S.D., *Lecturer in Law*
William Leigh Ellis, A.B., LL.M., *Lecturer in Law*
Justin Lincoln Edgerton, A.B., LL.B., *Lecturer in Law; Clerk of the Moot Court*

* On war leave 1944-45.
‡ On leave of absence.

THE DEAN'S COUNCIL •

Charles Sager Collier

Saul Chesterfield Oppenheim

Hector Galloway Spaulding

GENERAL INFORMATION

INTRODUCTORY

The George Washington University Law School, established in 1826, discontinued and reorganized in 1865, is the oldest law school in the District of Columbia. Its course of instruction is planned to fit its graduates for the practice of law in any of the states of the United States or in foreign countries, the law of which is based on the Anglo-American legal system. It is also designed to prepare students for public service as lawyers in the Federal Government or the governments of the states. In 1900 the School took part in the organization of the Association of American Law Schools and it has been a member of the Association since that time. The School is approved by the Council of Legal Education of the American Bar Association.

ADJUSTMENTS TO THE WAR EMERGENCY

The war emergency has increased the demand for men and women with legal training. To enable students to secure a maximum of legal training in the time available, the Law School's plan of instruction has been modified. The work of the year is organized into three terms known as the fall term, winter term, and summer term. The work undertaken in any one term may be completed by the end of that term. The summer term constitutes a full term of sixteen weeks. It is divided into two sessions so that work undertaken during one session may be completed during that session.

Mid-term examinations will be given in full subjects, that is those given four hours a week during a term. Students who pass these examinations successfully will be given credit for the first half of such subjects in case they are compelled to leave the School without completing the term. Such students will be permitted to register for the second half of such subjects when they return to the School.

The Dean's Council will endeavor in every way consistent with proper educational standards to approve such special arrangements as may be necessary to meet individual problems arising from the demands made upon students by the war. Students who have such problems are re-

• The President of the University and the Dean of the Law School are ex officio members of the council.

quested to submit them to the Dean of the Law School for the full and immediate consideration of the Dean's Council.

In the field of public law, made doubly important by the war emergency, courses will be offered in Administrative Law, Constitutional Law, Trade Regulation, Labor Law, International Law, and Government Corporations.

During the fall term a course entitled War Law will be offered. This course, designed to meet more specifically the needs of the war emergency, will consist of two parts: Military Law and War Contracts. Students may register for an individual part.

THE LIBRARY

The Law School Library of 23,000 volumes contains the official reports of the decisions of the courts of last resort of all the states prior to the National Reporter System and of fourteen states complete to date; the National Reporter System, complete; the reports of the United States Supreme Court and lower federal courts, and the reports of federal administrative agencies; Shepard's Citations for the units of the Reporter System; the English Reprint and English Law Reports; the United States Statutes; the United States Code, Annotated, and the Federal Code, Annotated; reasonably complete sets of statutes of all of the states; the English statutes; the principal English and American digests and encyclopedias; collections of special reports and annotated cases; and the leading textbooks, casebooks, and legal periodicals.

The Library is open from 9:00 A.M. to 10:00 P.M. each class day (Saturday, 9:00 A.M. to 1:00 P.M.), and from 2:00 to 6:00 P.M. on Sunday.

THE LAW REVIEW

The *George Washington Law Review*, published by the University, is edited by the Faculty and students of the Law School. It is devoted exclusively to state and federal public law. The location of the University in the National Capital, where the primary sources of federal public law may be observed in operation, affords an unexcelled opportunity for specialization in this field.

The *Review* is edited by a faculty editor-in-chief, a faculty board of associate editors, a board of departmental advisory editors, and a board of student editors. The student editors are chosen each year on the basis of scholarship.

RESEARCH IN PUBLIC LAW

Washington, the capital of the Nation, furnishes unsurpassed advantages for research in the fields of public law. In it are the offices of the

major executive departments, the Congress, the Supreme Court of the United States, and four lower federal courts. In the executive departments and among the many independent establishments of the Federal Government there have been estimated to be between seventy-five and one hundred agencies, the activities of which involve the various branches of public law, particularly administrative law. The student of public law can study at first hand the work of these administrative agencies. He also has available as sources for investigation their records of administrative adjudications. In addition there are more than double the number of law offices in the various departmental and independent agencies the principal business of which is public law.

Research in public law will be conducted under the supervision of members of the faculty. The fields of public law covered will be administrative law, constitutional law, international law, municipal and government corporations, and trade regulation. The purpose of this research is to furnish means for training specialists in public law, either as government lawyers or as lawyers representing individuals or corporations in cases in which the Government is a party, and to assist in the analysis, clarification, formulation, and improvement of public law, substantive and procedural.

Candidates for the graduate degrees in the Law School and seniors who are candidates for the degree of Juris Doctor are eligible to pursue this work. Other students may be admitted with the special permission of the professor in charge.

As part of the research in public law, the Law School has conducted conferences on specific problems in the field. Leading experts were brought together for the following conferences, the results of which were published in *The George Washington Law Review*: Government Corporations, July 1938; Administrative Law, February 1939; Constitutional Law, March 1940; Labor Relations Regulation, March 1941. Because of the war no conferences were held in 1942 and 1943.

THE STUDENT BAR ASSOCIATION

Every student in the Law School is required to be a member of the Student Bar Association. This is organized to enable the student to become better acquainted with problems of the profession, to develop better professional ideals, and to bring about closer contact with members of the profession engaged in active practice of the law.

The work of the Student Bar Association is carried on by various committees and by group and general meetings of a professional and social nature. From time to time lectures are given by outstanding authorities on legal and professional problems.

Each member of the Student Bar Association receives a subscription to *The George Washington Law Review*.

PRACTICE AND PRACTICE COURT

The curriculum is planned to include such training in the fundamentals of practice as is feasible in a law school. Classroom instruction is conducted in the theories of pleading and procedure, trial and appellate practice, and evidence. This instruction includes grounding in the principles of the new Federal Rules of Civil Procedure. In addition each senior student is required to participate in the work of the practice or Moot Court. This includes trying a specified number of cases, both as a senior counsel and junior counsel. For students who are planning to practice patent law, a special section of the court is conducted devoted exclusively to the trial of patent cases.

ORDER OF THE COIF

The Order of the Coif, a national honor society with chapters in thirty-five law schools, aims "to foster a spirit of careful study and to mark in a fitting manner those who have attained a high grade of scholarship". The George Washington University Chapter was established in 1926. Members are elected each year from the highest-ranking 10 per cent of the graduating class of the Law School.

REGULATIONS

Students in the Law School are subject to, and are expected to familiarize themselves with, the regulations concerning ADMISSION, REGISTRATION, FEES AND FINANCES stated on pages 10-23, and the University regulations stated on pages 35-40.

HOURS OF INSTRUCTION

Primarily for the accommodation of employed students, the regular course may be taken in classes held from 6:20 to 8:00 P.M.

ATTENDANCE

Regular attendance on classes is required and is necessary for successful work. A student who is deficient in class attendance in any subject may, by action of the Dean's Council, be barred from taking the examination in that subject.

RESIDENCE REQUIREMENTS

A year's attendance in the evening classes is counted as residence for three fourths of a year. A student admitted with advanced standing

must complete at least one year of residence in this School and pass twenty-eight credit hours with the required average for the degree.

GRADES

At the end of each term each student is given a letter grade in each subject completed and a letter grade indicating the average for the term.

Grades are indicated by the letters *A*, excellent; *B*, good; *C*, satisfactory; *D*, poor—below standard for graduation; and *F*, failed.

The grades *A*, *B*, *C*, and *D*, mean that the work has been successfully completed and credit given for the subjects.

F, failed, means that no credit will be given. To obtain credit the student must repeat the subject; but a student who has obtained an average of *C* in the work of the academic year and received a grade of *F* in only one subject may take the next regular examination in that subject, and if on such reexamination he obtains a passing grade he will be given credit in the subject.

EXAMINATIONS

Written examinations are held in the middle of the fall and winter terms in subjects given four hours a week and at the end of each term in all subjects. Every student is required to take the regular examinations in the subjects pursued, unless excused by the Dean. A student who, with the consent of the Dean, does not take the examination in a subject with the class in which he is enrolled may take the next regular examination given in the subject.

No special examinations will be given; except that, upon written application to the Dean's Council, showing sufficient cause, a candidate for a degree at a convocation before the next regular examination, if he would be entitled to take a postponed examination, may, at the discretion of the Dean's Council, be given a special examination.

EXCLUSION AND PROBATION FOR POOR SCHOLARSHIP

A student who during an academic year fails in courses aggregating eight or more credit hours will be excluded. Such a student is not eligible to be registered in the Law School or to attend classes in the next academic year. He may, however, be admitted to the regular examinations in that academic year in those subjects in which he has made a grade below passing, and if he receives a grade of passing in these subjects with an average sufficient to make his general average not less than *C*, he will be reinstated at the beginning of the academic year next succeeding the passing of these examinations.

A student not subject to exclusion under the foregoing rule who at

the end of an academic year has failed to maintain a general average of at least *C*, will be on probation during the next academic year. A student on probation may at the discretion of the Dean be required to reduce his program of study. A student on probation will be excluded at the end of the probationary year unless he has made grades sufficient to give him a general average of at least *C*.

The general average of a student includes all the grades in all the subjects taken while he is in the Law School working for a particular degree. When a subject is repeated or a reexamination is taken, both the first grade and the subsequent grade or grades are counted in the general average.

In special cases in which it is clear that the student's failure does not indicate lack of ability to pursue the study of law, the student who has become subject to exclusion may be readmitted by vote of the Dean's Council of the Law School.

No student is put on probation or excluded because of the work of one term only, or as the result of a program of less than four hours a week during the academic year.

CLASSIFICATION OF STUDENTS

Students are divided into classes on the completion of credit hours as follows: first year, one through twenty-eight; second year, twenty-nine through fifty-six; third year, fifty-seven or more.

THE DEGREES

IN THE PROFESSIONAL COURSE

These degrees are Bachelor of Laws (LL.B.) and Juris Doctor (J.D.).

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF LAWS

To be recommended for this degree the student must have completed: (1) a residence period of not less than three academic years on a full-time basis (four years on a part-time basis); (2) eighty credit hours, including the course in Moot Court, with a general average of at least *C*.

Combined Degrees of Bachelor of Arts and Bachelor of Laws.—A candidate for the combined degrees of Bachelor of Arts and Bachelor of Laws must: (1) complete three years of satisfactory college work; (2) fulfill the residence requirement of at least thirty credit hours of Columbian College, the School of Government, or the School of Education;

(3) obtain the approval of the Dean of the college concerned at the time of entering the Law School; (4) obtain the recommendation of the Dean of the Law School at the completion of the first year of the Law School, at which time the degree of Bachelor of Arts will be conferred (Professional work taken at another institution will not satisfy the major requirement for the combined degrees.); (5) maintain throughout the entire course the scholarship level required for graduation.

Combined Degrees of Bachelor of Science in Engineering and Bachelor of Laws.—The requirements for the combined degrees are stated on page 106.

REQUIREMENTS FOR THE DEGREE OF JURIS DOCTOR

This degree is conferred as a recognition of the completion at the George Washington University Law School, with high rank, of the full professional course of not less than three full years (four years on a part-time basis) including experience in research and legal authorship.

To be recommended for this degree the student must have completed: (1) a residence period of not less than three academic years on a full-time basis (four years on a part-time basis) in the Law School; (2) eighty credit hours with a general average of at least *B* including the course in Moot Court and either the course in Comparative Law or one of the graduate seminars; and (3) one year of acceptable service on the board of student editors of *The George Washington Law Review*, election to which is subject to regulations laid down by the Faculty.

HONORS

The degree of Bachelor of Laws or of Juris Doctor "with distinction" will be awarded the student who obtains a general average of *A* in the work for the degree.

IN THE GRADUATE COURSE

These degrees are Master of Laws (LL.M.) and Doctor of Juridical Science (S.J.D.).

REQUIREMENTS FOR THE DEGREE OF MASTER OF LAWS

To be recommended for this degree the student must have completed a residence period of not less than one academic year. He must have completed satisfactorily twenty credit hours of subjects in the graduate curriculum. In individual cases, third- or fourth-year subjects listed in the professional curriculum may be included in the program of study. All

requirements for this degree must be completed in a period not exceeding two academic years.

REQUIREMENTS FOR THE DEGREE OF DOCTOR
OF JURIDICAL SCIENCE

To be recommended for this degree the student must have completed a residence period of not less than one academic year. He must have pursued a course of study and research designated by his consultative committee and approved by the Dean's Council of the Law School. At the conclusion of his first year of residence or at such other time as the consultative committee may set, the candidate must pass an oral examination in those fields of study selected by the consultative committee. This examination shall be conducted by the consultative committee and such other members of the faculty as may be assigned by the Dean.

Not later than the date specified in the University calendar the candidate must submit to the Dean one typewritten original and two legible and complete carbon copies of his thesis in its final form and also a typewritten summary of the thesis consisting of not more than 2,500 words. To be acceptable the thesis must, in the opinion of the examining committee, constitute a substantial contribution to the field of law concerned and be suitable for publication. Requirements regarding the form of the thesis are stated on page 39, and additional information will be supplied by the Dean.

The summaries of accepted theses will be printed in a volume forming a number of the University BULLETIN. The successful candidate for the doctorate is required, before receiving his degree, to pay a fee to cover the expense of printing the summary of his thesis.

A field of study may be selected from the following: Administrative Law, Civil Procedure, Conflict of Laws, Constitutional Law, Evidence, Federal Jurisdiction, Public Corporations, Government Regulation of Business Organization, History of Law, International Law, Labor Law, Municipal Corporations, Trade Regulation, and Trusts.

THE SCHOOL OF ENGINEERING

THE FACULTY

Cloyd Heck Marvin, Ph.D., LL.D., *President of the University*
Frederick Morris Feiker, B.S. in E.E., D.Eng., *Dean of the School of Engineering*
Carl Hugo Walther, B.E., M.C.E., *Assistant to the Dean of the School of Engineering*

STAFF OF INSTRUCTION

Thomas Benjamin Brown, Ph.D., *Professor of Physics*
*Frank Artemas Hitchcock, M.S. in C.E., C.E., *Professor of Civil Engineering; Director of War Training Program*
*Norman Bruce Ames, M.S., E.E., LL.B., *Professor of Electrical Engineering*
*Arthur Frederick Johnson, M.E., Ph.D., *Professor of Mechanical Engineering*
James Henry Taylor, Ph.D., *Professor of Mathematics*
Frank Mark Weida, Ph.D., *Professor of Statistics*
Frederick Morris Feiker, B.S. in E.E., D.Eng., *Professor of Engineering Administration*
Merle Irving Protzman, Ph.D., *Professor of Romance Languages*
Benjamin Carpenter Cruickshanks, B.S. in M.E., *Professor of Mechanical Engineering*
Forest Klaire Harris, Ph.D., *Professorial Lecturer in Electrical Engineering*
Garbis Keulegan, Ph.D., *Professorial Lecturer in Mechanical Engineering*
Joseph Young Dreisonstok, Capt., U. S. Navy, B.S., *Professorial Lecturer on Navigation*
Newbern Smith, M.S. in E.E., Ph.D., *Professorial Lecturer in Electrical Engineering*
Milton Kent Akers, B.S., E.E., *Associate Professor of Electrical Engineering*
*Charles Edward Cook, B.S. in E.E., B.S. in C.E., C.E., *Associate Professor of Civil Engineering*
Robert Gay Trumbull, B.S. in C.E., *Associate Professor of Mechanical Engineering*
Maurice Hart Van Horn, Ph.D., *Associate Professor of Chemistry*

* On war leave 1944-45.

- *Alfred Ennis, M.S., E.E., D.Eng., *Associate Professor of Electrical Engineering*
 *George Strollo, B.S. in C.E., M.C.E., *Associate Professor of Civil Engineering*
 Carl Hugo Walther, B.E., M.C.E., *Associate Professor of Civil Engineering*
 *Howard Henry Koster, M.S. in M.E., *Assistant Professor of Mechanical Engineering*
 Wolfram Karl Legner, Ph.D., *Assistant Professor of German*
 Maurice Harold Irvine, Ph.D., *Assistant Professor of English*
 Martin Alexander Mason, B.S. in Eng., Dr. Ing., *Lecturer in Mechanical Engineering*
 Harry Joseph Keegan, B.M.E., *Lecturer in Mechanical Engineering*
 Rudolph Michel, M.S. in M.E., *Lecturer in Mechanical Engineering*
 Edward Iannelli, B.E.E., *Lecturer in Electrical Engineering*
 Francis Jerue Gross, B.S. in E.E., *Lecturer in Electrical Engineering*
 Joseph Carl Oleinik, B.S. in C.E., M.S., *Associate in Civil Engineering*
 William Hayward, B.S. in C.E., *Associate in Civil Engineering*
 Carl Harrison Smith, Jr., B.E.E., *Associate in Electrical Engineering*
 Earl Hildreth Lund, B.S. in C.E., C.E., LL.B., *Associate in Civil Engineering*
 Ralph Edward Fuhrman, B.S. in C.E., M.S., *Associate in Civil Engineering*
 Dwight Edward Shytle, *Associate in Electrical Engineering*

THE DEAN'S COUNCIL ‡

1945

Milton Kent Akers

Frank Artemas Hitchcock

1946

James Henry Taylor

Maurice Hart Van Horn

1947

Benjamin Carpenter Cruickshanks

Maurice Harold Irvine

* On war leave 1944-45.

‡ Elected by the Faculty. The President of the University and the Dean and Assistant to the Dean of the School of Engineering are members ex officio of the council.

GENERAL INFORMATION

INTRODUCTORY

HISTORY AND ACCREDITATION

The School of Engineering was organized in 1884 as the Corcoran Scientific School. In 1903 that school was combined with Columbian College in the Department of Arts and Sciences. In 1905 the engineering courses were placed under an administrative organization known as the Washington College of Engineering and in 1909 the name was changed to the College of Engineering and Mechanic Arts. In 1914 the name became the School of Engineering.

Courses leading to the degrees of Bachelor of Civil Engineering, Bachelor of Mechanical Engineering, and Bachelor of Electrical Engineering are accredited by the Engineers' Council for Professional Development, the recognized accrediting body of the engineering profession, composed of representatives of the American Society of Civil Engineers, the American Institute of Mining and Metallurgical Engineers, the American Society of Mechanical Engineers, the American Institute of Electrical Engineers, the Society for the Promotion of Engineering Education, the American Institute of Chemical Engineers, and the National Council of State Boards of Engineering Examiners.

REGULATIONS

Students in the School of Engineering are subject to, and are expected to familiarize themselves with, the regulations concerning ADMISSION, REGISTRATION, FEES AND FINANCES stated on pages 10-23, and the University regulations stated on pages 35-40.

AMOUNT OF WORK

Eighteen credit hours, including required physical education, constitute normal full-time work. Nine credit hours constitute normal part-time work.

A full-time student who is not on probation may take ordinarily not more than nineteen credit hours. A student employed more than twenty-four hours a week, who is not on probation, may take ordinarily not more than ten credit hours. A student whose quality-point index is 3.00 or higher may be permitted by the Dean to exceed these limits by not more than two credit hours.

A student previously unemployed who accepts employment subsequent to registration or at any time during a term is required to report that fact immediately to the Dean, in order that adjustments in schedule may be made, if necessary, to bring his program within the Faculty's limitations upon the amount of work to be carried by an employed student.

ATTENDANCE

The student is expected to attend every meeting of the course in which he is registered fully prepared to carry on the work required. The student is held responsible for all work in the course, and all absences must be excused before provision will be made for him to make up the work missed. Excuses for absences from examinations which have been announced in advance can be obtained only by making written application to the instructor in charge of the course.

THE BACHELOR'S DEGREES

The Bachelor's degrees are: Bachelor of Civil Engineering, Bachelor of Electrical Engineering, Bachelor of Mechanical Engineering, and Bachelor of Science in Engineering.

The degree of Bachelor of Science in Engineering may be earned with any of the following majors: Business Administration, Chemistry, Economics, Mathematics, Naval Architecture, Physics, or Statistics.

In cooperation with the Law School a six-year curriculum leading to the combined degrees of Bachelor of Science in Engineering and Bachelor of Laws is offered.

REQUIREMENTS FOR THE DEGREES

SCHOLARSHIP

The system of grading and computing scholarship is described in detail on pages 35 and 36.

In order to graduate, a student must have a quality-point index of at least 2.00. No student whose quality-point index is below 2.00 will be admitted to the junior year.

Probation.—A student must maintain a quality-point index of at least 2.00, or be placed on probation. A student remains on probation as long as his quality-point index is below 2.00, or until his probation is removed by the Dean's Council.

Suspension.—A student who has a quality-point index below 1.50 or who is placed on probation for a third term, whether successive or after an interval, will be suspended. A student suspended for poor scholarship may apply for readmission after an interval of one calendar year. He must then submit evidence to the Dean's Council that during his absence from the University he has so conducted himself as to indicate that he will profit by readmission. A student suspended twice for poor scholarship will not be readmitted.

USE OF CORRECT ENGLISH

Any student whose English in any course whatever is deemed unsatisfactory may be reported by the instructor to the Dean's Council. The Council may assign supplementary work, without academic credit, varying in amount with the needs of the student. If the work prescribed is equivalent to a course, the regular tuition fee is charged. The granting of a degree may be delayed for failure to make up any such deficiency in English to the satisfaction of the Dean's Council.

The foregoing regulation is to be interpreted as applying to both written and spoken English.

RESIDENCE

One year, or thirty-six credit hours, must be completed in residence in the School of Engineering. Summer term work may be counted in residence, but in no case may the period of residence aggregate less than thirty weeks. Unless special permission is granted by the Dean to pursue work elsewhere, the work of the senior or final year must be completed in residence.

CURRICULUM REQUIREMENTS

The satisfactory completion of one of the following curricula of 144 credit hours is required.

Variations from the prescribed curricula may be made, with the permission of the Dean's Council. A student desiring to omit a required course and substitute another must make written application to the Dean, presenting satisfactory reasons for the substitution; and written approval must be obtained before registration for the course.

FRESHMAN YEAR (FOR ALL ENGINEERING CURRICULA)

	Credit Hours
*Chem. 11-12	General Chemistry
CE 2	Plane Surveying
Engl. 1-2	Freshman English
Math. 12	Plane Analytic Geometry
Math. 19	Differential Calculus
ME 1	Engineering Survey and Orientation.....
ME 3	Mechanical Drawing
ME 4	Descriptive Geometry
Phys. Ed.	Physical Education
†Phys. 6 and 7	General Physics
Total.....	36

* The student who has credit for high school chemistry from an accredited high school may be excused from Chemistry 11 upon passing a qualifying examination given at the beginning of each term. He will be permitted to take Chemistry 12 and 21 instead.

† The student who begins physics with Physics 6 or 7 is subject to a qualifying examination. Credit will be given for Physics 5 or Chemistry 11 if not used for entrance requirements.

Bachelor of Civil Engineering

SOPHOMORE YEAR

	Credit Hours
CE 21	2
CE 22	3
CE 23	4
EE 9-10	6
Geol. 21-22	6
Math. 20	3
Phys. Ed.	2
Phys. 8	2
Elective	2
Elective	6
Elective	3
Analytical Mechanics: Statics.....	2
Analytical Mechanics: Dynamics.....	3
Higher Surveying.....	4
Elements of Electrical Engineering.....	6
Physical and Historical Geology.....	6
Integral Calculus.....	3
Physical Education.....	2
General Physics.....	2
Economics 1-2 or modern language.....	6
.....	3
Total.....	37

JUNIOR YEAR

	Credit Hours
CE 25-26	4
CE 123	3
CE 136	3
CE 140	2
CE 141	3
CE 142	3
CE 164	3
CE 171	3
CE 172	3
CE 187	3
ME 111-12	2
Speech 1	6
Materials of Construction.....	3
Strength of Materials.....	3
Hydraulics.....	3
Materials and Hydraulics Laboratory.....	2
Graphic Statics.....	3
Bridge Stresses.....	3
Highway Engineering.....	3
Route Surveying.....	3
Railroad Engineering.....	3
Contracts and Specifications.....	2
Thermodynamics.....	6
Principles of Effective Speaking.....	3
Total.....	38

SENIOR YEAR

	Credit Hours
CE 147-48	4
CE 149-50	6
CE 151-52	4
CE 181-82	6
CE 189-90	2
ME 141-42	4
Elective	7
Structural Design.....	4
Concrete and Masonry Construction.....	6
Statically Indeterminate Structures.....	4
Water Supply and Sewerage.....	6
Civil Engineering Proseminar.....	2
Management Problems.....	4
.....	7
Total.....	33

Bachelor of Electrical Engineering

SOPHOMORE YEAR

	Credit Hours
CE 21	2
CE 22	3
EE 9-10	6
Analytical Mechanics: Statics.....	2
Analytical Mechanics: Dynamics.....	3
Elements of Electrical Engineering.....	6

Math. 20	Integral Calculus.....	3
Math. 132	Differential Equations.....	3
ME 13-14	Mechanism	4
Phys. Ed. .	Physical Education.....	2
Phys. 8	General Physics.....	2
Phys. 55	Physical Measurements.....	2
Elective	Economics 1-2 or modern language.....	6
Elective	.....	5
Total.....		38

JUNIOR YEAR

		Credit Hours
CE 25-26	Materials of Construction.....	4
CE 123	Strength of Materials.....	3
CE 136	Hydraulics	3
EE 17-18	Direct-Current Laboratory.....	4
EE 101	Electric Circuits.....	3
EE 102	Alternating-Current Machinery.....	3
EE 111-12	Electrical Measurements.....	4
ME 111-12	Thermodynamics	6
Phys. 132	Electronics	3
Speech 1	Principles of Effective Speaking.....	3
Total.....		36

SENIOR YEAR

		Credit Hours
CE 140	Materials and Hydraulics Laboratory.....	2
EE 103	Alternating-Current Machinery.....	3
EE 133-34	Alternating-Current Laboratory.....	4
EE 189-90	Proseminar in Electrical Engineering.....	2
ME 115	Mechanical Laboratory.....	2
Elective	Business Administration or Economics.....	6
Choice	(1) Communications Option, or (2) Power Option..	15
Total.....		34

1. Communications Option

		Credit Hours
EE 143-44	High-Frequency Communication.....	6
EE 151-52	Communication Engineering.....	4
EE 161-62	Communications Laboratory.....	4
Elective	.....	1

2. Power Option

EE 125-26	Principles of Electric Power Transmission.....	4
EE 136	Hydro-Electric Engineering.....	2
EE 137	Electric Traction.....	2
EE 140	Electrical Design	3
Elective	.....	4

Bachelor of Mechanical Engineering

SOPHOMORE YEAR

		Credit Hours
CE 21	Analytical Mechanics: Statics.....	3
CE 22	Analytical Mechanics: Dynamics.....	3
EE 9-10	Elements of Electrical Engineering.....	6
Math. 20	Integral Calculus.....	3
ME 7	Machine Drawing.....	3
ME 8	Mechanism Drawing.....	3
ME 13-14	Mechanism.....	4
Phys. Ed.	Physical Education.....	3
Phys. 8	General Physics.....	3
Phys. 55	Physical Measurements.....	3
Elective	Economics 1-2 or modern language.....	6
Elective	Mathematics.....	3
Total.....		37

JUNIOR YEAR

		Credit Hours
CE 25-26	Materials of Construction.....	4
CE 123	Strength of Materials.....	3
CE 136	Hydraulics.....	3
CE 140	Materials and Hydraulics Laboratory.....	3
CE 141	Graphic Statics.....	3
EE 13-14	Direct- and Alternating-Current Laboratory.....	4
ME 111-12	Thermodynamics.....	6
ME 141-42	Management Problems.....	4
Speech I	Principles of Effective Speaking.....	3
Elective	.....	3
Total.....		35

SENIOR YEAR

		Credit Hours
ME 115-16	Mechanical Laboratory.....	4
ME 126	Methods of Manufacture.....	2
ME 127-28	Machine Design.....	4
ME 129-30	Power Plants.....	6
ME 131-32	Heating, Ventilating, Air Conditioning, and Refrigeration.....	4
ME 133	Combustion Engines.....	2
ME 139	Fluid Dynamics.....	3
ME 140	Dynamics of Machinery.....	3
ME 189-90	Proseminar in Mechanical Engineering.....	3
Elective	.....	6
Total.....		36

Bachelor of Science in Engineering

SOPHOMORE YEAR

		Credit Hours
CE 21	Analytical Mechanics: Statics.....	2
CE 22	Analytical Mechanics: Dynamics.....	3
EE 9-10	Elements of Electrical Engineering.....	6
Math. 20	Integral Calculus.....	3
ME 13-14	Mechanism.....	4
Phys. Ed.	Physical Education.....	2
Phys. 8	General Physics.....	2
Elective	Business Administration or Speech.....	3
Elective	Economics 1-2 or modern language.....	6
Elective	Mathematics.....	3
Elective	Physics.....	3
Total.....		37

JUNIOR YEAR

		Credit Hours
CE 25-26	Materials of Construction.....	4
CE 123	Strength of Materials.....	3
CE 136	Hydraulics.....	3
CE 140	Materials and Hydraulics Laboratory.....	2
EE 13-14	Direct- and Alternating-Current Laboratory.....	4
ME 111-12	Thermodynamics.....	6
Elective	.....	14
Total.....		36

SENIOR YEAR

		Credit Hours
Bus. Adm. 101-2	Business Organization and Management.....	6
Geol. 21-22	Physical and Historical Geology.....	6
ME 141-42	Management Problems.....	4
Elective	.....	19
Total.....		35

The purpose of the Bachelor of Science in Engineering curriculum is to allow a student who has demonstrated his ability to do better than passing work to center his attention upon a group of subjects in which he has special interest. Options may be elected in Business Administration, Chemistry, Economics, Mathematics, Naval Architecture, Physics, or Statistics. The student's choice of subjects for the entire junior and senior years must be submitted to the Dean's Council for approval before the beginning of the junior year. The student must comply with such requirements as to subjects, schedules, and scholarship as the department concerned may prescribe.

Curricula recommended by the several departments in which options

may be elected are available in the Office of the Dean of the School of Engineering for the guidance of students in arranging their programs. Variations from these curricula may be made to satisfy the needs of the exceptional individual student. However, any variation must be approved in writing by the major department and the Dean's Council.

COMBINED BACHELOR OF SCIENCE IN ENGINEERING AND BACHELOR OF LAWS DEGREES

For those students who desire to enter the branches of the legal profession in which a background in engineering is necessary a six-year curriculum is offered, leading to the combined degrees of Bachelor of Science in Engineering and Bachelor of Laws. A candidate for the combined degrees must conform to the residence and scholarship requirements of the School of Engineering throughout the period of preparation for the degree in engineering. His scholarship level for the junior and senior years must be acceptable to both the School of Engineering and the Law School. During the junior and senior years he must complete: (1) the required courses in engineering, (2) the 28 credit hours of courses required in the first year of the Law School, and (3) such electives as he needs to satisfy the 144 credit-hour requirement for the degree in engineering. Upon the satisfactory completion of the senior year, the degree of Bachelor of Science in Engineering will be conferred. The student will then continue his studies in the Law School; upon the satisfactory completion of which the degree of Bachelor of Laws will be conferred.

For detailed information the student should consult the deans of the School of Engineering and the Law School.

THE PROFESSIONAL DEGREES

The professional degree of Civil Engineer, Electrical Engineer, or Mechanical Engineer may be conferred upon a graduate of the School of Engineering who has demonstrated his professional ability.

REQUIREMENTS FOR THE DEGREES

1. Application may not be made sooner than three years after graduation, and then only if the candidate has had responsible charge of engineering work.

2. A detailed statement of the candidate's experience, references, the degree sought, and the title of the thesis must be filed with the Dean eight months before the Commencement at which the degree is to be conferred.

Detailed information concerning the preparation of the thesis may be obtained from the Office of the Dean.

THE SCHOOL OF PHARMACY

THE FACULTY

Cloyd Heck Marvin, Ph.D., LL.D., *President of the University*

*William Paul Briggs, M.S., *Dean of the School of Pharmacy*

STAFF OF INSTRUCTION

Walter Lynn Cheney, Ph.D., *Professor of Physics*

*William Paul Briggs, M.S., *Professor of Pharmacy*

Ira Bowers Hansen, Ph.D., *Professor of Zoology*

Alan Thomas Deibert, A.M., *Associate Professor of Romance Languages*

*Paul William Bowman, Ph.D., *Associate Professor of Biology*

Lawson Edwin Yocum, Ph.D., *Associate Professor of Botany*

Chester Elwood Leese, Ph.D., *Associate Professor of Physiology*

Samuel Nathaniel Wrenn, Ph.D., *Associate Professor of Chemistry*

*Charles Rudolph Naeser, Ph.D., *Associate Professor of Chemistry*

Maurice Hart Van Horn, Ph.D., *Associate Professor of Chemistry*

Angus MacIvor Griffin, Ph.D., *Associate Professor of Bacteriology*

*Lea Gene Gramling, Ph.D., *Assistant Professor of Pharmacology and Pharmacognosy*

Gretchen Louisa Rogers, Ph.D., *Assistant Professor of German*

*Charles Watson Bliven, M.S., *Assistant Professor of Pharmaceutical Chemistry*

Lloyd Walter Hazleton, Ph.D., *Assistant Professor of Pharmacology*

Asa Vernon Burdine, *Lecturer on Pharmaceutical Economics*

Harold Clayton Kinner, B.S., *Lecturer on Pharmaceutical Law*

Leopold Henry Forster, Ph.G., *Instructor in Hospital Pharmacy*

Helen McDonald Tingle, B.S. in Phar., *Instructor in Pharmacy*

Emily Anna May Godfrey, B.S. in Ed., *Associate in Pharmaceutical Chemistry and Research Associate in Pharmacology*

Kathleen Darner Talbert, *Associate in Pharmacognosy and Research Associate in Pharmacology*

SEMINAR LECTURERS

James Johnson Durrett, M.S., Phar.G., M.D., *Professorial Lecturer on Drug Control Problems*

Evander Francis Kelly, Phar.D., Sc.D., *Professorial Lecturer on Pharmaceutical Organizations*

Carson Peter Frailey, Phar.D., *Professorial Lecturer on Industrial Pharmacy*

* On war leave 1944-45.

- Warren Fales Draper, A.B., M.D., *Professorial Lecturer on Public Health*
 Frederick John Cullen, Phar.G., M.D., *Professorial Lecturer on Drug Manufacture*
 James Albert Horton, LL.B., *Professorial Lecturer on Drug Trade Regulations*
 John Christian Krantz, Jr., Ph.D., *Professorial Lecturer on Pharmaceutical Research*
 Justin Lawrence Powers, Ph.D., *Professorial Lecturer on Official Drug Standards*
 George Clemens Ruhland, M.D., *Professorial Lecturer on Hygiene and Sanitation*
 Robert Lee Swain, Phar.D., LL.B., *Professorial Lecturer on Contemporary Pharmacy*
 George Potter Larrick, *Professorial Lecturer on Drug Control*

COMMITTEES*

ADVISORY COMMITTEE

- Louis Francis Bradley, *Chairman*
 Howard Bradbury
 Augustus Carrier Taylor

THE DEAN'S COUNCIL†

- Lloyd Walter Hazleton
 Ira Bowers Hansen

COMMITTEE ON SCHOLARSHIP

- Samuel Nathaniel Wrenn, *Chairman*
 Lawson Edwin Yocum
 Helen McDonald Tingle

GENERAL INFORMATION

INTRODUCTORY

In 1867 the foundation for the National College of Pharmacy was laid by the Apothecaries' Association of the District of Columbia. The College was opened in 1872 and continued until 1906, when it became affiliated with The George Washington University.

The School of Pharmacy is accredited by the American Council on Pharmaceutical Education.

The School of Pharmacy is a member of the American Association of Colleges of Pharmacy.

* The President of the University and the Dean of the School of Pharmacy are members ex officio of all committees.

† Elected by the Faculty.

Washington offers many opportunities for the study of pharmacy. Not only are the facilities of government laboratories and libraries open to the student, but the School of Pharmacy is located only a few blocks from the American Institute of Pharmacy building, in which has been established a pharmaceutical museum and library, and research laboratories which have brought to Washington the outstanding men of the profession.

REGULATIONS

Students in the School of Pharmacy are subject to and are expected to familiarize themselves with the regulations concerning ADMISSION, REGISTRATION, FEES AND FINANCES as stated on pages 10-23, and the University regulations stated on pages 35-40.

AMOUNT OF WORK

Normal work for any year is that outlined under the head of "Curriculum Requirements", below. A student who wishes to take more than the normal amount of work may do so only with the permission of the Committee on Scholarship, the members of which are guided in their decision by his scholastic record and the extent to which he is employed. A student on probation is limited in the amount of work he may carry.

ATTENDANCE

Except by special permission of the instructor, credit will not be given for any course if absences, including both lecture and laboratory, exceed in number for each term the hours of credit for the term.

Absence consists of being away from a lecture or a laboratory, entering after the lecture or laboratory has begun, or leaving before either is dismissed.

EXAMINATIONS BEFORE STATE BOARDS OF PHARMACY

To be eligible for examination before most state boards of pharmacy the applicant is required to present satisfactory evidence of college graduation and in addition must have had from one to four years of practical experience in a pharmacy where prescriptions are compounded. The student is not encouraged to undertake professional work while attempting a full course of study. A student who maintains a quality-point index of 2.00 or higher, may be granted permission by the Dean to acquire a limited amount of this professional experience by working in a pharmacy while carrying a full schedule. A student who falls below a quality-point index of 2.00 will be required to reduce his academic load, or to limit his professional-experience time to less than twenty-four hours a week.

THE DEGREE OF BACHELOR OF SCIENCE IN PHARMACY

Upon the satisfactory completion of the requirements of the School of Pharmacy, the degree of Bachelor of Science in Pharmacy is conferred.

REQUIREMENTS FOR THE DEGREE

SCHOLARSHIP

The system of grading and of computing scholarship is described in detail on pages 35 and 36.

In order to graduate, a student must have a general quality-point index of at least 2.00. In addition, he must have a quality-point index of at least 2.50 in all pharmacy courses.

Probation.—A student must maintain a quality-point index of at least 2.00, or be placed on probation where he will remain as long as he fails to attain this index.

Suspension.—A student who has a quality-point index below 1.00 or who is placed on probation for a third term, whether successive or after an interval, will be suspended. A student who receives a grade of *E* or *F* in two courses in any one term will be suspended.

A student suspended for poor scholarship may apply for readmission after an interval of a calendar year. He must then submit evidence to the Dean of the School of Pharmacy that during his absence from the University he has so conducted himself as to indicate that he will profit by readmission. A student suspended twice for poor scholarship will not be readmitted.

The foregoing scholarship rules are applied to a student with a limited schedule only when he has undertaken a minimum of fifteen credit hours.

CURRICULUM

The laboratory method of teaching is used. Recitation classes are held in connection with each course in order to provide systematic drill in the subjects.

The curriculum requirements include at least 126 credit hours. The following curricula lead to the degree of Bachelor of Science in Pharmacy.

Freshman and Sophomore Years

Courses	Did. hrs.	Lab. hrs.	Credit hrs.	Clock hrs.
Courses in the Junior College (see page 52 and table facing page 57)	702	990	64	1692

Junior Year: Fall Term

Courses	Did. hrs.	Lab. hrs.	Credit hrs.	Clock hrs.
Chemistry 21.....	36	108	4	144
Pharmacy 105.....	36	.....	2	36
Pharmacy 109.....	36	54	3	90
• Physics 6.....	36	36	3	72
Physiology 115.....	54	.....	3	54
Physiology 117.....	.....	54	1	54
Total.....	198	252	16	450

Junior Year: Winter Term

Bacteriology 112.....	54	72	4	126
Pharmacy 102.....	36	108	4	144
Pharmacy 106.....	36	.....	2	36
Pharmacy 108.....	18	.....	1	18
Pharmacy 110.....	36	54	3	90
Elective	36	.....	2	36
Total.....	216	234	16	450

Senior Year: Fall Term

‡ Biochemistry 221.....	36	.....	2	36
Pharmacy 103.....	36	108	4	144
Pharmacy 165.....	54	.....	3	54
Chemistry 221.....	36	108	4	144
Elective	36	.....	2	36
Total.....	198	216	15	414

* Physics 7 may be substituted.

‡ With permission of the Dean, Biochemistry 221-22 may be replaced by other courses, for purposes of specialization.

Senior Year: Winter Term

Courses	Did. hrs.	Lab. hrs.	Credit hrs.	Clock hrs.
•Biochemistry 222.....	36	.....	2	36
Pharmacy 166.....	36	54	3	90
Pharmacy 174.....	36	108	4	144
Pharmacy 176.....	18	.....	1	18
Pharmacy 178.....	36	.....	2	36
Pharmacy 192.....	.....	.....	.....	.....
Elective	36	54	3	90
Total.....	198	216	15	414
Grand total.....	1512	1908	126	3420

* With permission of the Dean, Biochemistry 221-22 may be replaced by other courses, for purposes of specialization.

THE SCHOOL OF EDUCATION

THE FACULTY

Cloyd Heck Marvin, Ph.D., LL.D., *President of the University*
James Harold Fox, A.M., Ed.D., *Dean of the School of Education*

STAFF OF INSTRUCTION

*Henry Grattan Doyle, A.M., *Professor of Romance Languages*
William Cullen French, Ph.D., *Professor of Education*
Willard Hayes Yeager, A.M., *Depew Professor of Public Speaking*
Donnell Brooks Young, Ph.D., *Professor of Zoology*
Ruth Harriet Atwell, A.M., *Professor of Physical Education for Women*
Frank Mark Weida, Ph.D., *Professor of Statistics*
*Mitchell Dreese, Ph.D., *Professor of Educational Psychology*
Sidney Barlett Hall, A.M., Ed.D., LL.D., *Professor of Education*
James Harold Fox, A.M., Ed.D., *Professor of Education*
Ralph Dale Kennedy, Ph.D., *Professor of Accounting and Business Administration*
*Wood Gray, Ph.D., *Professor of American History*
Thelma Hunt, Ph.D., M.D., *Professor of Psychology*
Chester Winfield Holmes, Ed.D., *Adjunct Professor of Education*
Benjamin Franklin Kyker, A.M., *Adjunct Professor of Education*
William Carson Ryan, Jr., Ph.D., Ed.D., LL.D., *Adjunct Professor of Education*
Meredith Chester Wilson, B.S., *Adjunct Professor of Education*
Frances Kirkpatrick, A.M., *Associate Professor of Home Economics*
Courtland Darke Baker, Ph.D., *Associate Professor of English*
*Raymond John Seeger, Ph.D., *Associate Professor of Physics*
Lawson Edwin Yocum, Ph.D., *Associate Professor of Botany*
William Henry Myers, A.M., *Associate Professor of Physical Education for Men*
Ruth Emma Coyner, Ph.D., *Associate Professor of Education*
Helen Bennett Lawrence, A.M., *Associate Professor of Physical Education for Women*
Burnice Herman Jarman, A.M., Ed.D., *Associate Professor of Education*
Kathryn Mildred Towne, A.M., *Associate Professor of Home Economics*
*Jenny Emsley Turnbull, A.M., *Assistant Professor of Physical Education for Women*

* On war leave 1944-45.

Elizabeth Burtner, A.M., *Assistant Professor of Physical Education for Women*

Jane Frost Hilder, *Lecturer in Education*

Agnes Kerr Tweedie, Ed.M., *Lecturer in Education*

‡LuVerne Crabtree Walker, A.M., *Lecturer in Education*

‡Veryl Gladys Schult, A.M., *Lecturer in Education*

*Charles Norval Cofer, Ph.D., *Instructor in Educational Psychology*

Margaret Olive Osborn, M.S., *Instructor in Home Economics*

Camille Jacob Craig, B.S., *Instructor in Physical Education for Women*

CONSULTANTS IN RESEARCH

John Kerr Rose, Ph.D., *Research Associate in Education*

Eugene Davis Owen, Ph.D., *Research Associate in Education*

COMMITTEES

THE DEAN'S COUNCIL

1945

Sidney Bartlett Hall

Lawson Edwin Yocum

1946

Ruth Emma Coyner

Thelma Hunt

1947

Burnice Herman Jarman

Kathryn Mildred Towne

COMMITTEE ON ADMISSION AND ADVANCED STANDING

The Dean of the School, *Chairman*

Harold Griffith Sutton

Frances Kirkpatrick

William Henry Myers

Frank Mark Weida

Burnice Herman Jarman

Ruth Harriet Atwell

GENERAL INFORMATION

INTRODUCTORY

It is the purpose of the School of Education to prepare teachers, supervisors, and administrators for the higher ranges of educational service and to offer opportunities to teachers of experience to extend their education. The School embraces the departments of Education, Physical Education, and Home Economics, and it is affiliated with all the other departments of the University in which the student is likely to elect work. It offers both graduate and undergraduate work.

* On war leave 1944-45.

‡ On leave of absence 1944-45.

The schedule of courses is arranged to meet the convenience of both full-time and part-time students. By attending afternoon, Saturday, and summer classes, teachers in the schools of Washington and vicinity may complete all the requirements for a degree without giving up their positions.

In cooperation with the United States Navy, the Department of Home Economics offers a special program in dietetics and related subjects for Navy Nurses. Candidates are selected by the Nursing Corps of the United States Navy.

REGULATIONS

Students in the School of Education are subject to, and are expected to familiarize themselves with, the regulations concerning ADMISSION, REGISTRATION, FEES AND FINANCES stated on pages 10-23, and the University regulations stated on pages 35-40.

AMOUNT OF WORK

A normal program of work for an undergraduate student is sixteen or seventeen credit hours. A student with a quality-point index of 3.00 or higher may, with the Dean's permission, take nineteen hours. More than nineteen hours may not be taken except by special permission of the Committee on Scholarship.

For an employed student ten credit hours constitute a normal program. A student with a quality-point index of 3.00 or higher for the preceding term may be permitted by the Dean to take twelve or thirteen credit hours.

For a graduate student twelve credit hours, exclusive of the thesis, constitute a normal program. An employed student may not take more than nine credit hours.

THE BACHELOR'S DEGREES

Upon the satisfactory completion of the undergraduate requirements of the School of Education, the degree of Bachelor of Arts in Education, Bachelor of Science in Home Economics, or Bachelor of Science in Physical Education is conferred.

The program of work of each student must be approved by a Faculty adviser. Since each student's program of work will be defined by his particular needs, it is important that the student have a clear conception of his major interest in education, and also that he be familiar with the teaching-certificate requirements in the locality in which he expects to teach.

REQUIREMENTS FOR THE DEGREES

To be recommended for a degree a student must satisfy the admission, residence, scholarship, and curriculum requirements.

RESIDENCE

For full details concerning continuous registration, see page 35.

SCHOLARSHIP

The system of grading and of computing scholarship is described in detail on pages 35 and 36.

In order to graduate, a student must have a quality-point index of at least 2.00.

Probation.—An undergraduate student who fails to maintain a quality-point index of at least 2.00 will be placed on probation. A student remains on probation as long as his quality-point index is below 2.00, or until his probation is removed by the Committee on Scholarship.

Suspension.—An undergraduate student who fails to pass (i.e., who receives a grade of *E* or *F*) in half or more than half of his work, based on a minimum of sixteen credit hours, will be suspended.

A student who has been suspended for poor scholarship may within ten days appeal his case to the Committee on Scholarship through the Dean. If the case appears to be remediable and the student appears likely to improve in his scholarship thereafter, the Committee may readmit him on probation. A student who has been denied readmission on probation may petition the Committee on Scholarship through the Dean for readmission after the lapse of a calendar year. A student who has been suspended twice will not be readmitted.

CURRICULUM REQUIREMENTS

In any of the following curricula at least thirty credit hours must consist of courses numbered above 100.

Bachelor of Arts in Education

Students admitted with two years of approved college work are granted the degree of Bachelor of Arts in Education upon the satisfactory completion of sixty-six or more credit hours. This work must include:

	Credit Hours
*Education (including Observation and Cadet Teaching).....	18
†Educational Psychology	2 or 3
‡Educational Sociology	2 or 3
Subject-matter field	24 or more
Electives	6 to 20

* The choice of courses in education will depend largely upon the certification requirements that the student wishes to meet. Courses listed under the Department of Education as "Closely Related Courses in Other Departments" are accepted in fulfilling the requirements in education. Some certification requirements for elementary school teachers include as much as 40 credit hours in education.

‡ Required in addition to eighteen credit hours in education.

To the extent that courses in the foregoing list are offered for admission, the range of electives is increased.

In accordance with the foregoing general pattern of work for the degree, programs of study are available for elementary school teachers with normal school training and for prospective secondary school teachers in the following teaching fields: English; social studies; history and geography; history, civics, and economics; general science and biology; general science and chemistry; general science and physics; general science and mathematics; French; Spanish; German; Latin; secretarial studies; accounting, banking, and business management; and art. Additional information concerning these programs may be obtained by writing to the Dean.

Normal School Students.—Students from approved normal schools are granted such advanced standing as their credentials warrant. Their unfinished requirements are determined by the Dean.

Subject-matter Field.—Courses elected within the subject-matter field will depend upon the teaching certificate desired. Usually twenty-four to thirty-six credit hours are required. The subject-matter program should be planned in consultation with, and must be approved by, the Faculty adviser in the field selected. Relevant work completed in normal school or junior college may be counted toward the subject-matter requirements with the approval of the Faculty adviser and the Dean.

Bachelor of Science in Home Economics

The curriculum leading to this degree is designed to prepare young women for the important responsibility of home-making. The program can be adapted, however, to meet special requirements. Each student will plan her work with the assistance of a Faculty adviser in the Department of Home Economics.

GENERAL HOME-MAKING COURSE

JUNIOR YEAR			Credit Hours	SENIOR YEAR			Credit Hours
Home Economics	54	.....	3	Home Economics	152	.....	3
Home Economics	71	.....	3	Home Economics	171	.....	3
Home Economics	102	.....	3	Home Economics	192	.....	3
Home Economics	123	.....	3	Home Economics	197-98	.....	6
Physiology	115	.....	3	Psychology	125	.....	3
Electives		.....	15	Sociology	176	.....	3
				Electives		.....	9
Total		.....	30	Total		.....	30

Bachelor of Science in Physical Education for Men**DUAL-MAJOR TEACHER'S COURSE**

The minimum requirements for this degree are twenty-three credit hours in physical education, nineteen credit hours in education (including Sociology 121), eighteen credit hours in a subject-matter group, and six credit hours of electives, distributed as follows:

JUNIOR YEAR		Credit Hours	SENIOR YEAR		Credit Hours
Education 156.....	3		Education 131.....	3	
Education electives.....	4		Education 133-34.....	6	
Physical Education 101.....	2		Physical Education 126.....	3	
Physical Education 103.....	2		Physical Education electives.....	8	
Physical Education 107.....	2		Electives	13	
Physical Education 113-14.....	4				
Physical Education 138.....	2		Total.....	33	
Sociology 121.....	3				
Electives.....	11				
Total.....		33			

SINGLE-MAJOR TEACHER'S COURSE

The minimum requirements for this degree are thirty-one credit hours in physical education, nineteen credit hours in education (including Sociology 121), and sixteen credit hours of electives, distributed as follows:

JUNIOR YEAR		Credit Hours	SENIOR YEAR		Credit Hours
Education 156.....	3		Education 131.....	3	
Education electives.....	4		Education 133-34.....	6	
Physical Education 101.....	2		Physical Education 109.....	2	
Physical Education 103.....	2		Physical Education 125.....	3	
Physical Education 107.....	2		Physical Education 126.....	3	
Physical Education 113-14.....	4		Physical Education 145.....	3	
Physical Education 115-16.....	4		Electives	13	
Physical Education 117-18.....	4				
Physical Education 138.....	2		Total.....	33	
Sociology 121.....	3				
Electives.....	3				
Total.....		33			

Bachelor of Science in Physical Education for Women

The minimum requirements for this degree are sixty-six credit hours, distributed as follows:

JUNIOR YEAR		Credit Hours	SENIOR YEAR		Credit Hours
Education 156.....	3		Education 133-34.....	6	
Physical Education 101.....	2		Physiology 115.....	3	
Physical Education 103.....	2		Physical Education 119-20.....	4	
Physical Education 105-6.....	6		Physical Education 121.....	3	
Physical Education 111-12.....	4		Physical Education 122.....	3	
Physical Education 132, 146....	4		Physical Education 130.....	3	
Sociology 121.....	3		Physical Education 131, 140....	5	
Subject-matter field or electives..	9		Subject-matter field or electives..	6	
Total.....		33	Total.....		33

The student desiring to prepare herself to teach another subject in addition to physical education for women may do so by choosing her elective hours from one subject-matter field with the advice of the Dean of the School of Education. Relevant work completed in the Junior College may be counted in this subject-matter field.

THE DEGREE OF MASTER OF ARTS IN EDUCATION

Upon the satisfactory completion of the graduate requirements of the School of Education, the degree of Master of Arts in Education is conferred. This is a professional degree, designed to prepare the student for some particular type of educational service. The program of studies leading to the degree will be selected by the candidate and his consultative committee from the various related departments of the University to give the student an adequate background in his chosen vocational field. For the prospective high school or junior high school teacher this will ordinarily include study in the subject which he is planning to teach as well as in the field of education.

In accordance with the foregoing general pattern of work, graduate programs of study are available in early childhood education, elementary education in the intermediate grades, elementary school administration, guidance, agricultural education, adult education, and the various teaching fields in secondary education. Programs of work for teachers-in-service are differentiated from those for students without teaching experience. Additional information concerning these programs may be obtained by writing to the Dean.

ADMISSION TO CANDIDACY

In addition to admission requirements stated on page 16 the applicant for admission to candidacy for the Master's degree must be ac-

cepted by the Committee on Admission and Advanced Standing. The general procedure in meeting this requirement includes scholarship and personality ratings from instructors under whom the candidate has studied, a personal interview with the Dean, and a scholastic-aptitude test.

ADVANCED STANDING

Graduate work completed in other accredited institutions of learning may be credited toward the Master's degree, but a minimum of twenty-four credit hours must be completed at The George Washington University.

Advanced courses completed in excess of the requirements for the Bachelor's degree in this University may be credited toward the Master's degree to the extent of twelve credit hours, provided the work fits in with the student's plan of specialization and is approved in writing by the Dean before being undertaken.

Work completed more than three years prior to registration for the Master's degree at this University will be credited only after the candidate has satisfied the department concerned that he is proficient in the subject matter of the courses offered for credit. Such proficiency may be determined by examination or by other means.

REQUIREMENTS FOR THE DEGREE

RESIDENCE

A candidate must pass in resident study at this University at least two terms, or one term and two six-week summer sessions, or four six-week summer sessions.

AMOUNT OF WORK

A student whose previous preparation in his chosen field has been adequate may complete his requirements, including the thesis, by a minimum of thirty credit hours; others are required to do additional work.

THE THESIS

The program of studies will be rounded out by a thesis, which will count as six hours of credit toward the degree. It may be of a research, expository, critical, or creative type, and is intended to demonstrate the student's ability to make independent use of the information and training that he has acquired, and to furnish objective evidence of his constructive powers in his chosen field. The thesis subject must be approved in writing by the candidate's adviser and recorded in the Office of the Registrar by the date announced in the University calendar. One typewritten original and three legible and complete carbon copies of

the thesis in its final form must be presented to the Dean by the candidate not later than the date announced in the University calendar. Requirements regarding the form of the thesis are stated on page 39, and additional information will be supplied by the Dean.

Payment of tuition for the thesis will entitle the candidate, during the academic year of registration, to the advice and direction of the member of the Faculty under whom the thesis is to be written. In case a thesis is unfinished, an additional successive academic year may be granted without further tuition payment. If the preparation of the thesis extends beyond the two-year period, it must be registered for again, and tuition paid on the same basis as for a repeated course.

FINAL EXAMINATION

In addition to the course examinations, the candidate must pass a final examination on the thesis and its related fields. This examination may be either written or oral at the discretion of the candidate's Consultative Committee.

If the thesis is submitted more than three years after the course requirements have been completed, a written examination covering the student's complete program of study will also be required.

THE DEGREE OF DOCTOR OF EDUCATION

The requirements for the degree of Doctor of Education cannot be stated in credit hours, but they consist in general of at least two full years of work beyond the degree of Master of Arts in Education or the equivalent. The programs of study are designed to prepare students for administrative or supervisory positions, the teaching of education in normal schools or colleges, the teaching of an academic subject in schools, or colleges, or for specialized types of educational service. The work is given a practical rather than a theoretical bent, and emphasizes the mastery and application of subject matter, both in the study requirements and in the thesis. Special emphasis is placed upon the professional success of the candidate.

The candidate's program of study largely depends upon his previous educational background and his professional objective. Opportunities are provided for study leading to the following professional objectives: school superintendent, secondary school principal, supervisor, director of guidance, director of curriculum development, professor of education, and specialist in educational research.

QUALIFICATIONS OF THE APPLICANT

The candidate for the degree of Doctor of Education must have completed (1) graduate work in fields prerequisite to his objective, equivalent

to that required for the degree of Master of Arts in Education in The George Washington University, and (2) at least three years of successful educational experience.

ADMISSION TO CANDIDACY

To be admitted to candidacy for the degree the applicant must be accepted by the Faculty of the School of Education on the basis of an examination conducted by a committee appointed by the Dean. This examination will usually include the following: (1) a written examination involving problems related to the applicant's background; (2) a scholastic-aptitude test; (3) an oral examination.

CONSULTATIVE COMMITTEE

If the applicant is accepted as a candidate, his consultative committee will counsel the candidate and guide his work.

The consultative committee, in cooperation with the candidate, will (1) determine the candidate's fields of study, in each of which the candidate must pass a written examination at least eight months before he presents himself for the degree; (2) formulate a list of course requirements and of readings that will assist him in preparing for these examinations; and (3) designate the tools of investigation that will be needed by the candidate in the prosecution of his study. These tools may include one or more foreign languages, statistical methods, historical criticism, or any others considered essential by the committee. An examination in the tools designated must be passed by the candidate before he takes his comprehensive examination.

THE THESIS

After the candidate has satisfied the requirements enumerated in the preceding section, his committee is dissolved, and he is assigned to a member of the Faculty in whose field the topic of his thesis falls. It is the duty of this person to serve as the candidate's adviser on his thesis and in his field of specialization, and to recommend him to the Dean for the final oral examination when, in his judgment, the candidate's thesis is acceptable.

Not later than the date specified in the University calendar the candidate shall submit to the Dean of the School of Education four copies of his thesis—one typewritten original and three legible and complete carbon copies, on official thesis paper—and also a typewritten summary of the thesis consisting of not more than 2,500 words. Requirements regarding the form of the thesis are stated on page 39, and additional information will be supplied by the Dean.

The successful candidate is required, before receiving his degree, to pay a fee to cover the expense of printing the summary of his thesis.

THE FINAL EXAMINATION

At least three weeks before the degree is to be conferred the candidate must pass an oral examination on his thesis and on his field of specialization before a committee of the Faculty appointed by the Dean, supplemented by two experts from outside the University appointed by the President. This examination is open to the public, and all are privileged to question the candidate. The Dean, or a member of the Faculty designated by him, will preside at this examination.

THE EDUCATION GUILD

The Education Guild of The George Washington University is a group for advanced study and discussion established in 1935-36 to test methods of greater freedom in preparing for the doctoral examination and of correlating the doctoral work more closely with the candidate's occupation.

Membership, at present restricted to twenty, is subject to invitation, and includes both men and women employed in Washington and the vicinity and known for their leadership in the classroom, in supervision, and in administration. Each member is under the guidance of a consultative committee and must satisfy all of the requirements for the degree of Doctor of Education. Attendance upon seminars is advised but is optional, since directed reading and personal conferences may take the place of the more formal seminar.

THE SCHOOL OF GOVERNMENT

THE FACULTY

Cloyd Heck Marvin, Ph.D., LL.D., *President of the University*

Dean of the School of Government

Warren Reed West, Ph.D., *Assistant Dean of the School of Government*

STAFF OF INSTRUCTION

John Donaldson, Ph.D., *Professor of Political Economy*

Richard Norman Owens, Ph.D., C.P.A., *Professor of Accounting and Business Administration*

Frank Mark Weida, Ph.D., *Professor of Statistics*

Warren Reed West, Ph.D., *Professor of Political Science*

Harold Griffith Sutton, M.S., *Professor of Finance*

Lowell Ragatz, Ph.D., *Professor of European History*

William Crane Johnstone, Jr., Ph.D., *Professor of Political Science*

*Mitchell Dreesse, Ph.D., *Professor of Educational Psychology*

Alva Curtis Wilgus, Ph.D., *Professor of Hispanic American History*

Merle Irving Protzman, Ph.D., *Professor of Romance Languages*

Ralph Dale Kennedy, Ph.D., *Professor of Accounting and Business Administration*

James Christopher Corliss, A.M., *Adjunct Professor of Inter-American Economics*

Arthur Edward Burns, Ph.D., *Adjunct Professor of Economics*

Henry Furness Hubbard, Ph.D., *Adjunct Professor of Psychology*

Wilford Lenfestey White, M.B.A., D.C.S., *Professorial Lecturer on Marketing*

Charles Hyneman, Ph.D., *Professorial Lecturer on Public Administration*

John Albert Tillema, Ph.D., LL.M., S.J.D., *Associate Professor of Political Science*

*Edward Campion Acheson, Ph.D., *Associate Professor of Finance*

*John Withrow Brewer, Ph.D., *Associate Professor of International Law*

*Howard Maxwell Merriman, Ph.D., *Associate Professor of American Diplomatic History*

Donald Stevenson Watson, Ph.D., *Associate Professor of Economics*

*Steuart Henderson Britt, Ph.D., *Assistant Professor of Psychology*

John Randolph Riggleman, Ph.D., *Lecturer in Statistics*

George Howland Cox, *Lecturer on Hispanic American History*

Orton Wells Boyd, A.M., C.P.A., *Lecturer in Business Administration*

* On war leave 1944-45.

Arlin Rex Johnson, Ph.D., *Lecturer on Accounting*

Solomon Kullback, Ph.D., *Lecturer in Statistics*

Francis Colt deWolf, A.B., LL.B., *Lecturer on International Law*

Harry Meredith Kuth, B.S., *Lecturer on Accounting*

Robert Carnell Sampson, A.M., *Lecturer on Public Personnel Administration*

Harry Gray Brainard, Ph.D., *Lecturer on Accounting*

*Charles Norval Cofer, Ph.D., *Instructor in Educational Psychology*

COMMITTEES‡

THE DEAN'S COUNCIL§

1945

Frank Mark Weida

James Christopher Corliss

1946

Donald Stevenson Watson

Arthur Edward Burns

1947

Ralph Dale Kennedy

Richard Norman Owens

COMMITTEE ON ADMISSION AND ADVANCED STANDING

The Dean of the School, *Chairman*

Harold Griffith Sutton, *Secretary*

Ralph Dale Kennedy

Donald Stevenson Watson

Arthur Edward Burns

John Albert Tillema

Richard Norman Owens

GENERAL INFORMATION

INTRODUCTORY

The George Washington University School of Jurisprudence and Diplomacy existed from 1898 to 1913, when it was discontinued as a separate school. The courses were given, however, in Columbian College until September, 1928, when training in foreign service and governmental theory and administration was reestablished as a separate branch under the School of Government.

It is the purpose of the School to give the student an understanding of the responsibilities under the Constitution of the United States in the conduct of public office—domestic and foreign. This can be accomplished not through any single course but through a curriculum which correlates social, economic, political, historical, and psychological studies.

* On war leave 1944-45.

‡ The President of the University and the Dean of the School of Government are members *ex officio* of all committees.

§ Elected by the Faculty.

The courses in domestic government train in the theory of and practice in local, state, and national positions. The courses in foreign service train the student for the many opportunities offered in the foreign fields to carry out the ideals for which America stands, not only in governmental work but in the much wider field of foreign trade as conducted by private enterprise in all parts of the world. This training fits the student especially to assist American citizens who have occasion to travel or to do business abroad, to understand their reciprocal rights and duties, and to protect them in these rights without infringing upon the rights of others, as well as to collect and report information concerning commercial conditions and opportunities abroad. The student thus gains an insight into international affairs from both the American and the foreign point of view, with a resultant broader understanding of economic and political problems.

REGULATIONS

Students in the School of Government are subject to, and are expected to familiarize themselves with, the regulations concerning ADMISSION, REGISTRATION, FEES AND FINANCES as stated on pages 10-23, and the University regulations stated on pages 35-40.

AMOUNT OF WORK

A full-time student not on probation may take ordinarily not more than seventeen credit hours. A student employed more than twenty-four hours a week, who is not on probation, may take not more than ten credit hours.

A full-time undergraduate student whose quality-point index is 3.50 or higher may take not more than nineteen credit hours. An undergraduate student employed more than twenty-four hours a week, whose quality-point index is 3.50 or higher, may take up to twelve credit hours.

Exceptions to these rules will require the approval of the Dean.

ATTENDANCE

The student is held responsible for all the work of the courses in which he is registered, and all absences must be excused by the instructor in charge before provision is made for him to make up the work missed.

CLASSIFICATION OF STUDENTS

A student who holds a Junior Certificate from the Junior College or the equivalent from another accredited institution, and who has registered his choice of one of the prescribed curricula at the Office of the Registrar, is classed as a *junior*. A student who has completed thirty credit hours in the School of Government is classed as a *senior*. A student

who has satisfactorily completed the work for the Bachelor's degree, and who has registered his choice of one of the prescribed fields of study at the Office of the Registrar, is classed as a *master in course*.

INDEPENDENT STUDY PLAN

Under the independent study plan a student of demonstrated capacity, with special interest in the subject matter of a course, may be permitted to undertake independent study under the personal direction of an instructor, in accordance with the rules of the division in which the subject falls. Credit under this plan is limited to the specific course-credits as designated in the list of courses of instruction in this CATALOGUE.

THE DEGREE OF BACHELOR OF ARTS IN GOVERNMENT

Upon the satisfactory completion of the undergraduate requirements of the School of Government, the degree of Bachelor of Arts in Government, with a designation of the major field of study, is conferred. The major fields are Public Affairs, Foreign Service, Foreign Commerce, Public Administration, Business Administration, Public Finance, Public Accounting, and Business and Government Statistics.

A student who has completed the required Junior College work and thirty hours in the School of Government, with a quality-point index of 2.00 or higher, in any of the undergraduate curricula, may be admitted to the Law School, and upon completing the work of the first year in law with an average of *C* or higher, may upon recommendation of the Dean of the Law School, be granted the degree of Bachelor of Arts in Government. Students who intend to follow this plan must signify their intention in advance with the Dean of the School of Government and all courses must be approved.

REQUIREMENTS FOR THE DEGREE

SCHOLARSHIP

The system of grading and of computing scholarship is described in detail on pages 35 and 36.

In order to graduate, a student must have the following: (1) a quality-point index in all of his work of at least 2.00, and (2) a quality-point index of at least 2.50 in thirty credit hours, excluding electives, in the work of the third and fourth years.

Probation.—A student must maintain a quality-point index of at least 2.00, or be placed on probation, where he will remain as long as his quality-point index is below 2.00.

Suspension.—A student who has a quality-point index below 1.00 or

who is placed on probation for a third term, whether successive or after an interval, will be suspended.

For the purpose of these rules, the summer sessions are considered a term.

A student suspended for poor scholarship may apply for readmission after an interval of a calendar year. He must then submit evidence to the Committee on Admission and Advanced Standing that during his absence from the University he has so conducted himself as to indicate that he will profit by readmission. A student suspended twice for poor scholarship will not be readmitted.

A student with a limited schedule is affected by the foregoing scholarship rules only when he has undertaken fifteen credit hours.

CURRICULUM REQUIREMENTS

Curriculum requirements for the Bachelor's and Master's degrees are stated on pages 132-35.

Examinations for Waiving Curriculum Requirements

A student desiring to omit a required course may take such examination as the department prescribes, and, on passing satisfactorily, he may be relieved of the curriculum requirement in that subject and may qualify for registration in an advanced course. Passing of this examination does not entitle the student to any hours of credit toward the degree. A student desiring to take such examinations should make the request of the Dean.

A fee of \$5 for each examination must be paid at the Office of the Comptroller and the receipt exhibited at the door of room 105, Building D, on September 27 at 2:00 P.M. for the fall term, and on January 29 at 2:00 P.M. for the winter term. Two hours are allowed for the examination. Should a student wish to take more than one examination, arrangements will be made accordingly.

THE DEGREE OF MASTER OF ARTS IN GOVERNMENT*

Upon the satisfactory completion of the graduate requirements of the School of Government, the degree of Master of Arts in Government, with a designation of the major field of study, is conferred. The major fields are Public Affairs, Foreign Service, Foreign Commerce, Public Administration, Business Administration, Public Finance, Public Accounting, and Business and Government Statistics.

* For the degree of Master of Arts in Public Personnel Administration, see page 136.

ADMISSION TO CANDIDACY

A student is formally recognized as a candidate for the Master's degree only when his application for candidacy has been approved by the Dean. Application is made on a form obtainable at the Office of the Registrar.

Before being admitted to candidacy in the curricula in Public Affairs, Foreign Commerce, or Foreign Service, the student must show a reading knowledge (certified by the appropriate language department) of at least one modern foreign language, to be approved by the Dean. Examinations in modern foreign languages will be given on Saturday, October 14; Saturday, February 3, and Saturday, May 5, at 2:00 P.M.

REQUIREMENTS FOR THE DEGREE

A minimum of thirty credit hours of work, as outlined in the curricula on pages 132-35, must be completed successfully. Variations from these curricula require the permission of the Dean.

Not more than twelve credit hours of work may be taken in another professional school; and work so taken cannot be counted toward degrees in both schools. No part of the minimum requirement may be taken in any other institution.

A second-group course (numbered 101-200), taken either in the undergraduate or graduate years, may be counted toward the Master's degree only when registration for advanced credit has been approved at the beginning of the course by the Dean and by the officer of instruction, and provided that the student has done such extra work in the course as may be prescribed by the instructor.

Work completed more than three years prior to registration for the Master's degree will be counted only if the candidate successfully passes an examination on the subject matter of the work offered for credit.

In addition to the course examinations, the candidate must pass a comprehensive written examination in his major field. An oral examination on his thesis may also be required.

No work counted toward a Bachelor's degree may be counted toward a Master's degree.

A student working toward the Master's degree and at the same time completing an undergraduate major must have a quality-point index of 2.50 or higher in the courses undertaken as part of his undergraduate-major program.

A student who expects to continue his studies for the degree of Doctor of Philosophy after receiving the Master's degree is strongly advised to plan his program from the beginning so that work for the lower degree may help to prepare him for the higher.

RESIDENCE

No credit is granted for work done in absentia, i.e., without formal instruction, except for the thesis, which may be completed in absentia with the permission of the department concerned.

SCHOLARSHIP

A student whose scholarship is unsatisfactory may be suspended by the Dean. Regarding the system of grading, see pages 35 and 36.

CURRICULUM REQUIREMENTS

Curriculum requirements for the Bachelor's and Master's degrees are stated on pages 132-35.

THE THESIS

The thesis must be registered for not later than the beginning of the final year, unless the professor in charge of the thesis permits registration at the beginning of the final term. The choice of the thesis subject must be approved by the professor in charge and recorded in the Office of the Registrar by the date announced in the University calendar. The typewritten thesis in its final form must have the approval of the professor in charge and must be presented to the Dean by the student not later than the date announced in the University calendar. Requirements in regard to the form of the thesis are stated on page 39, and additional information will be supplied by the Dean.

Payment of tuition for the thesis entitles the candidate, during the academic year of registration, to the advice and direction of the member of the Faculty under whom the thesis is to be written. In case a thesis is unfinished, an additional successive academic year is granted without further tuition payment. If the preparation of the thesis extends beyond the two-year period, it must be registered for again, and tuition paid on the same basis as for a repeated course.

CURRICULUM REQUIREMENTS

For recommendation for graduation the School of Government requires, in addition to the appropriate Junior College work (see page 53 and table facing page 57), a minimum of sixty credit hours during the junior and senior college years, as set forth in one of the following curricula. The junior and senior years of these eight curricula lead to the degree of Bachelor of Arts in Government with a designation of the major field of study; the graduate years as here outlined lead to the degree of Master of Arts (see pages 129 and 130) in the respective fields. Electives as well as other subjects must be approved by the Dean.

Public Affairs

JUNIOR YEAR		Credit Hours	SENIOR YEAR		Credit Hours
Economics	121-22	6	Economics	101	3
Political Science	111	3	Economics	161-62	6
Political Science	121-22	6	Economics	165	3
Psychology	151	3	History	171-72	3
Electives		12	Political Science	117	3
			Political Science	124	3
Total		30	Political Science	171	3
			Electives		3
			Total		30

GRADUATE YEAR		Credit Hours
Political Science	209-10	6
Thesis		6
Electives		18
Total		30

Suggested electives:—Economics 102, 166, and 167; History 144, 147, 151-52, and 181-82; Political Science 115, 116, 151-52, and 181.

Foreign Service

JUNIOR YEAR		Credit Hours	SENIOR YEAR		Credit Hours
Economics	101	3	Economics	185-86	6
Economics	121-22	6	History	181-82	3
Economics	170	3	Political Science	130	3
Economics	181-82	6	Political Science	171	3
History	144	3	Political Science	181	0
Political Science	127	3	Electives		0
Electives		6			
Total		30	Total		30

GRADUATE YEAR		Credit Hours
Political Science	281	3
Thesis		0
Electives		21
Total		30

Suggested electives:—Economics 102 and 126; History 130, 146, 161-62, and 174; Political Science 130, 192, 193, and 194.

Foreign Commerce

JUNIOR YEAR		Credit Hours	SENIOR YEAR		Credit Hours
Economics 121-22.....	6		Business Administration 174.....	3	
Economics 170.....	3		Economics 126.....	3	
Economics 181-82.....	6		Economics 165.....	3	
History 147.....	3		Economics 183.....	3	
Statistics 101-2.....	6		Economics 184.....	3	
Electives.....	6		History 174.....	3	
			Political Science 112.....	3	
Total.....	30		Political Science 171.....	3	
			Electives.....	6	
			Total.....	30	

GRADUATE YEAR		Credit Hours
Economics 281 and 282.....	6	
Economics 283-84.....	6	
Thesis.....	6	
Electives.....	12	
Total.....	30	

Suggested electives:—Economics 101, 105, 126, 166, 167, 227, 285-86, and 287-88; History 161-62; Political Science 111, 121-22, 192, 194, and 281.

Public Administration

JUNIOR YEAR		Credit Hours	SENIOR YEAR		Credit Hours
Business Administration 101-2....	6		Business Administration 159.....	3	
Economics 121.....	3		Economics 161-62.....	6	
Political Science 111.....	3		Economics 165 or 166.....	3	
Political Science 112.....	3		Political Science 151-52.....	6	
Political Science 121-22.....	6		Psychology 131 or 134.....	3	
Statistics 101-2.....	6		Psychology 143 or 144.....	3	
Electives.....	3		Electives.....	6	
Total.....	30		Total.....	30	

GRADUATE YEAR		Credit Hours
Political Science 209-10.....	6	
Thesis.....	6	
Electives.....	18	
Total.....	30	

Suggested electives:—Business Administration 121, 160, 165, and 181; Economics 122, 142, 146, 165, 167, and 265; Political Science 111, 112, and 116.

Business Administration

JUNIOR YEAR		Credit Hours	SENIOR YEAR		Credit Hours
Business Administration 101-2...	6		Business Administration 115x...	3	
Business Administration 151....	3		Business Administration 128....	3	
Business Administration 155....	3		Business Administration 171....	3	
Economics 121-22.....	6		Business Administration 181....	3	
Statistics 101-2.....	6		Business Administration 185....	3	
Electives.....	6		Business Administration 186....	3	
Total.....		30	Political Science 127.....	3	
			Political Science 128.....	3	
			Electives.....	6	
			Total.....		30

GRADUATE YEAR		Credit Hours
Thesis		6
Electives		24
Total.....		30

Suggested electives:—Business Administration 118x, 121, 127, 145, 151-52, and 172; Economics 101, 105, 161-62, and 165; Statistics 108.

Business and Government Statistics

JUNIOR YEAR		Credit Hours	SENIOR YEAR		Credit Hours
Business Administration 101-2...	6		Business Administration 155....	3	
Economics 121.....	3		Economics 101.....	3	
Economics 141.....	3		Economics 161-62.....	3	
Statistics 101-2.....	6		Statistics 107.....	3	
Statistics 105.....	3		Statistics 108.....	6	
Statistics 106.....	3		Statistics 109-10.....	3	
Electives.....	6		Statistics 117.....	3	
Total.....		30	Electives.....		3
			Total.....		30

GRADUATE YEAR		Credit Hours
Statistics 111.....		3
Statistics 112.....		3
Statistics 295-96.....		6
Statistics 299-300 (Thesis).....		6
Electives		12
Total.....		30

Suggested electives:—Economics 105 and 122; Statistics 153 and 157-58.

Public Finance

JUNIOR YEAR	Credit Hours	SENIOR YEAR	Credit Hours
Business Administration 151-52....	6	Business Administration 115.....	3
Economics 121-22.....	6	Business Administration 155.....	3
Political Science 127.....	3	Business Administration 159.....	3
Political Science 128.....	3	Business Administration 160.....	3
Political Science 151-52.....	6	Economics 146.....	3
Electives.....	6	Economics 161-62.....	6
Total.....	30	Political Science 121-22.....	6
		Electives.....	3
		Total.....	30

GRADUATE YEAR	Credit Hours
Thesis	6
Electives	24
Total.....	30

Suggested electives:—Business Administration 118, 127, 128, and 181x; Economics 105.

Public Accounting

JUNIOR YEAR	Credit Hours	SENIOR YEAR	Credit Hours
Business Administration 102.....	3	Business Administration 115.....	3
Business Administration 145.....	3	Business Administration 159.....	3
Business Administration 151-52..	6	Business Administration 160.....	3
Business Administration 155.....	3	Business Administration 165.....	3
Political Science 127.....	3	Business Administration 168.....	3
Political Science 128.....	3	Business Administration 181x....	3
Political Science 129.....	3	Economics 121-22.....	6
Electives.....	6	Electives.....	6
Total.....	30	Total.....	30

GRADUATE YEAR	Credit Hours
Business Administration 251-52.....	6
Thesis	6
Electives	18
Total.....	30

Suggested electives:—Business Administration 101-2, 118, 121, 171, and 172; Economics 101, 105, 161-62, and 165; Statistics 101-2, 105, and 106.

THE DEGREE OF MASTER OF ARTS IN PUBLIC PERSONNEL ADMINISTRATION

The degree of Master of Arts in Public Personnel Administration is a professional degree designed to provide the necessary pre-entry training for personnel work. The requirements for the degree cannot be stated definitely in terms of credit hours, although a minimum of thirty credit hours including either a thesis (6 credit hours) or field work (6 credit hours) is required. Unless a candidate is already credited with the introductory courses in economics, political science, and psychology prerequisite to admission to second-group courses, he will be required to take these courses without credit toward the Master's degree. Each student's program will be planned in the light of his background and professional objective. A typical program of work is described below. It is assumed that many of these courses will be offered as undergraduate credits and that frequently the program will not exceed thirty credit hours. Students qualified by experience or independent study may satisfy some of these requirements by examination without taking formal courses, although in no case will less than thirty credit hours meet the requirement for the degree.

PROGRAM LEADING TO THE DEGREE OF MASTER OF ARTS IN PUBLIC PERSONNEL ADMINISTRATION

Economics 141	3
Political Science 131.....	3
Political Science 244.....	3
Psychology 131 or 134.....	3
Psychology 143 or 144.....	3
Psychology 231	3
Statistics 101-2 or 103-4.....	6
Thesis or Supervised Field Work.....	6
Electives	15*
(To be selected from Political Science 115; Economics 161-62; Psychology 129, 230, and 232; Speech 131-32; Statistics 112 and 134.)	
Total.....	45†

* If the candidate has had two years of related professional experience, the fifteen hours of required electives may be reduced to nine hours.

† The total number of hours required may be reduced to as few as 30 provided 15 credit hours of the above work or approved substitute courses are presented as undergraduate credit.

THE DIVISION OF UNIVERSITY STUDENTS

Cloyd Heck Marvin, Ph.D., LL.D., *President of the University*
Elmer Louis Kayser, Ph.D., *Dean of University Students*

THE DEAN'S COUNCIL*

Arthur Edward Burns

Francis Edgar Johnston

Maurice Hart Van Horn

GENERAL INFORMATION

INTRODUCTORY

The Division of University Students was organized in 1930 in order to make the work of the University in its several divisions more fully accessible to mature students and to provide for the offering of special courses to meet special demands as they might arise from time to time. Students registered in this Division are designated "University students", as distinguished from regularly matriculated undergraduate and graduate students.

REGULATIONS

Students in the Division of University Students are subject to, and are expected to familiarize themselves with, the regulations concerning ADMISSION, REGISTRATION, FEES AND FINANCES stated on pages 10-23, and the University regulations stated on pages 35-40.

SCHOLARSHIP

The system of grading and of computing scholarship is described in detail on pages 35 and 36.

Probation.—A student must maintain a quality-point index of at least 2.00, or be placed on probation. The case of each student who has a quality-point index between 1.50 and 2.00, however, will be considered individually. A student will remain on probation as long as his quality-point index is below 2.00, or until his probation is removed.

Suspension.—A student who has a total quality-point index below 1.50 will be suspended. The case of each student having a total quality-point index between 1.35 and 1.50, however, will be considered individually.

A student who receives a grade of *E* or *F* in two courses in any two out of three successive terms will be suspended.

* The President of the University and the Dean of University Students are members ex officio of the council.

A student who falls under probation for the third term, whether successive or after an interval, will be suspended.

A student suspended for poor scholarship may apply for readmission after an interval of a calendar year. He must then submit evidence that during his absence from the University he has so conducted himself as to indicate that he will profit by readmission. A student suspended twice for poor scholarship will not be readmitted.

For the purpose of these rules, the summer sessions are considered a term.

Warnings.—At stated intervals during the academic year instructors will file in the Office of the Registrar the names of those students who are doing work of *D* grade or lower. "Warnings" will then be transmitted to the students concerned. Upon request a parent or guardian may receive a copy of a warning notice sent to a student. A warning constitutes notice to the student that he must consult the instructor within a reasonable time and in any case not later than two weeks after receipt of the warning. "Warning periods" are established as follows: fall term—November 1 to 15; winter term—March 15 to 30; summer term—each session, third to fourth week.

The foregoing scholarship rules are applied to a student with a limited schedule only when he has undertaken a minimum of fifteen credit hours.

TRANSFER TO REGULAR STATUS

A "University student" may be transferred, at his request, to another college or school of the University only upon complying with the regulations of the specific college or school to which he wishes to transfer. The student should familiarize himself with the regulations printed in the University CATALOGUE concerning admission, residence, amount and quality of work. Specifically, he should note that in some cases not more than thirty (30) hours of credit may be transferred from this Division; that at least the last thirty (30) credit hours must be spent in residence in the college or school granting the degree; and that a general quality-point index of 2.00 must be maintained, with an index of 2.50 in the major.

THE DIVISION OF EXTENSION

Cloyd Heck Marvin, Ph.D., LL.D., *President of the University*
Sidney Bartlett Hall, A.M., Ed.D., LL.D., *Director of Extension*

GENERAL INFORMATION

The Division of Extension is an integral part of The George Washington University. Its educational program is designed as a means of extending the services and opportunities of university study to people of the District of Columbia, Virginia, West Virginia, and Maryland. The function of the new Division is to coordinate the offerings of the University and to provide the means and facilities for making these offerings available to those who are unable to come to the campus for all of their studies. Special attention will be given to the needs of the various departments of the Federal Government in their efforts to provide opportunities for their employees to improve their efficiency through further study and likewise to offer programs of study for prospective employees. Provisions have been made for two types of courses and services. They are: (1) credit courses that will be conducted in accordance with existing rules and regulations of the University as to content, examinations, hours, credits, and fees, with the exception that the registration fee will be \$5.00 (tuition will be \$8.00 for each credit hour); (2) non-credit courses that will be provided on the same basis as credit courses and in terms of the needs and ability of the University to provide adequately therefor.

Further details may be obtained by writing to the Director of Extension.

THE INTER-AMERICAN CENTER

Cloyd Heck Marvin, Ph.D., LL.D., *President of the University*
George Howland Cox, *Director of the Inter-American Center*

COUNCIL

William Cabell Van Vleck, A.B., LL.B., S.J.D., *Professor of Law*
*Henry Grattan Doyle, A.M., *Professor of Romance Languages*
Walter Andrew Bloedorn, A.M., M.D., *Professor of Medicine*
Robert Whitney Bolwell, Ph.D., *Professor of American Literature*
Elmer Louis Kayser, Ph.D., *Professor of European History*
William Crane Johnstone, Jr., Ph.D., *Professor of Political Science*
Frederick Morris Feiker, B.S. in E.E., D.Eng., *Professor of Engineering Administration*
*Wood Gray, Ph.D., *Professor of American History*
James Christopher Corliss, A.M., *Adjunct Professor of Inter-American Economics*
Alan Thomas Deibert, A.M., *Associate Professor of Romance Languages*
*Edward Campion Acheson, Ph.D., *Associate Professor of Finance*
Antonio Alonso, A.M., *Associate Professor of Spanish*

Because of its situation in the National Capital, The George Washington University is able to offer certain types of academic work and to promote and foster conferences, publications, and studies which profit especially by the resources of the Federal Government, the Library of Congress, the Pan American Union, the various embassies and legations, and other institutions located in Washington. Particularly do these advantages apply to work concerning the nations of the Americas. It is intended that the Center shall take advantage of these manifold opportunities, not only by facilitating the offering of regularly constituted courses and special lectures, but also by encouraging directed research and scholarly and informational publications in the broad field of Inter-American relations.

INTER-AMERICAN CENTER ACTIVITIES

1. Lectures on Latin American and Pan American problems, given for students at the University and for a limited number of the public.
2. Series of talks at public high schools and private schools, and before civic organizations.

* On war leave 1944-45.

3. Annual series of lectures in Spanish for Spanish-speaking people of Washington.
4. Annual Pan American conference for Washington high school students.
5. Annual mid-winter conference on Pan American affairs, given for the public.
6. Weekly broadcast in English to the United States; topics include current Latin American affairs.

COURSES ON INTER-AMERICAN SUBJECTS

ECONOMICS

- 185-86 Economic History and Problems of Latin America (3-3)
 187-88 Economic History and Problems of South America (3-3)
 190 International Economic Reconstruction (3)
 191-92 Contemporary Banking, Currency, and Exchange in Latin America (3-3)
 193-94 Proseminar in Hispanic American Civilization and Culture (3-3)
 285-86 Public and Private Finance in Latin America (3-3)
 287-88 Economic Problems of Latin America (3-3)

HISTORY

- 161-62 Hispanic American Civilization (3-3)
 167-68 Latin American and Inter-American Problems (2-2)
 281-82 Seminar in the History of the Americas (3-3)

ROMANCE LANGUAGES

- 1-2 First-year Spanish (3-3)
 5-6 Second-year Spanish (3-3)
 109-10 Spanish Conversation and Composition (3-3)
 125-26 Modern Spanish Literature (3-3)
 129-30 The Spanish American Novel (3-3)
 137-38 Spanish American Literature: South America (3-3)
 139-40 Spanish American Literature: The Caribbean Area (3-3)
 227-28 Seminar in Spanish American Literature (3-3)
 1-2 First-year Portuguese (3-3)
 5-6 Second-year Portuguese (3-3)
 127-28 Portuguese and Brazilian Literature (2-2)

THE SUMMER SESSIONS

1944

The George Washington University is responding to the demands of the Government for professionally and technically trained men and women by expanding the educational program of the 1944 summer term into two seven and one-half weeks' sessions. This summer term is the equivalent of the fall or winter term of the academic year and is similarly administered.

Basic courses in the arts and sciences, education, and government are included in the course offerings of the two summer sessions. The professional schools of Medicine, Law, and Engineering offer complete programs which are the equivalent of a full term's work.

By taking advantage of this opportunity for intensive summer study, the student may accomplish the work of a full term. By continuous attendance he may shorten the time required for his degree from four to two and one-half years.

Complete information concerning the summer term is available in the Summer Sessions catalogue and the separate bulletins of the schools of Medicine, Law, and Engineering.

COURSES OF INSTRUCTION

COURSES OF INSTRUCTION

On the following pages of this CATALOGUE, under the alphabetically arranged names of the departments of instruction, are listed the courses of instruction offered by the University in the summer of 1944 and in the academic year 1944-45. The courses as here listed are subject to some slight change. The University reserves the right to withdraw any course announced.

HOURS OF INSTRUCTION

Courses of instruction are scheduled in the morning and early afternoon hours for full-time students.

In addition, there are late-afternoon sections of most of the courses of instruction, scheduled from 5:10 to 9:10 P.M. These classes are identical with the morning sections of the corresponding courses, are taught by the same instructors, and carry the same amount of credit. By taking the late-afternoon and summer classes and extending the time of study beyond the customary four years, a student who is able to give only part of his time to college work may complete a regular curriculum and obtain a degree.

EXPLANATION OF COURSE NUMBERS

An odd number preceding the name of the course indicates that the course is offered in the fall term; an even number, that it is offered in the winter term; and a double number (e.g., 157-58), that it begins in the fall term and continues in the winter term. The letter "x" following an odd course number (e.g., 21x) indicates that the course, normally offered in the fall term, is given in the winter term. The letter "x" following an even course number (e.g., 22x) indicates that the course, normally offered in the winter term, is given in the fall term.

In the School of Engineering, the terms in which courses are offered are stated under the departments of Civil, Electrical, and Mechanical Engineering.

In the departments of the School of Medicine, first-year courses are numbered from 101 to 200; second-year courses, from 201 to 300; third-year courses, from 301 to 400; and fourth-year courses, from 401 to 500.

In the Law School, first year courses are numbered from 101 to 200; second-year courses, from 201 to 300; third-year courses, from 301 to 400; and graduate courses, from 401 to 500.

In all other schools and colleges the following system of numbering is used:

First-group courses.—Courses numbered from 1 to 100, are planned for students in the freshman and sophomore years. With the approval of the adviser and the dean, they may also be taken by juniors and seniors. In certain instances, they may be taken by graduate students to make up undergraduate deficiencies or as prerequisite to advanced courses, but they may not be credited toward a higher degree.

Second-group courses.—Courses numbered from 101 to 200, are planned for students in the junior and senior years. They may be credited toward higher degrees only when registration for graduate credit has been approved at the beginning of the course by the dean responsible for the graduate work and by the officer of instruction, and when the completion of additional work has been certified by the officer of instruction.

Third-group courses.—Courses numbered from 201 to 300, are planned primarily for graduate students. They are open, with the approval of the officer of instruction, to qualified seniors; they are not open to Junior College students or other undergraduates.

INDICATION OF THE AMOUNT OF CREDIT

The number of credit hours given for the satisfactory completion of a course is in most cases indicated in parentheses after the name of the course. Thus, a year course giving three hours of credit each term is marked (3-3), and a term course giving three hours of credit is marked (3). A credit hour usually consists of the completion of one fifty-minute period of class work or of one laboratory period a week for one term.

A dagger (†) preceding the number of a year course indicates that the course may not be entered in the second term and that credit will not be given until the work of both terms has been completed.

ANATOMY

Claude Matthews McFall, LL.B., Ph.D., *Professor of Anatomy, Executive Officer*

Ira Rockwood Telford, Ph.D., *Assistant Professor of Anatomy*

Paul Calabrisi, A.M., *Assistant Professor of Anatomy*

101 *Gross Anatomy* McFall and Staff

Instruction in osteology, followed by the careful dissection and study of the entire body. Fifteen hours a week.

103 *Histology and Embryology* The Staff

The histogenesis and microscopic structure of the tissues and organs of the human body. Twelve hours a week.

104 *Neuro-Anatomy* The Staff

Fifteen hours a week.

203-4 *Research* The Staff

Hours and credits to be arranged.

ART

Norris Ingersoll Crandall, M.Arch., *Professor of Art, Executive Officer*
 *Donald Chenowith Kline, B.Arch., *Associate Professor of Art*

STAFF IN THE CORCORAN SCHOOL OF ART

Richard Lahey, *Professor of Drawing and Painting, Principal*
 Eugen Weisz, *Professor of Drawing and Painting, Vice Principal*
 Peggy Bacon, *Professor of Drawing and Painting*
 Aurelius Battaglia, *Professor of Drawing and Painting*
 Heinz Warneke, *Professor of Sculpture and Carving*

The major in art appreciation.—Prerequisite: Art 1-2, 11-12, 121-22, 131-32, 141-42, 151-52, and 161-62.

The major in drawing and painting.—Prerequisite: Art 11-12, 121-22, and at least forty-two credit hours of drawing and painting. The classes in drawing and painting are held at the Corcoran School of Art.

The major in art for prospective teachers of art in high schools.—The minimum requirements of this curriculum, which leads to the degree of Bachelor of Arts in Education, are stated on pages 116 and 117.

APPRECIATION

FIRST GROUP

1-2 *The Artistic Home* (3-3)

The development of the home, home furnishing, and decoration. 1944-45 and alternate years, Mon., Wed., and Fri., 6:10 P.M. 1945-46 and alternate years, Mon. and Wed., 11:10 A.M. to 12:25 P.M. Crandall

†11-12 *Art Criticism* (3-3)

An introduction to the appreciation of the fine arts and to the interpretation of the paintings of the old and modern masters. 1944-45 and alternate years, Tues. and Thurs., 11:10 A.M. to 12:25 P.M. 1945-46 and alternate years, Tues. and Thurs., 6:10 to 7:25 P.M. Crandall

SECOND GROUP

121-22 *History of Art* (3-3)

The fine arts from ancient times to the present. 1944-45 and alternate years, Mon. and Wed., 11:10 A.M. to 12:25 P.M. 1945-46 and alternate years, Mon., Wed., and Fri., 6:10 P.M. Crandall

131-32 *History of American Fine Arts* (3-3)

A survey of architecture, furniture, decoration, sculpture, painting, and folk arts in America from the early colonies to the present. (Not offered in 1944-45.)

* On war leave 1944-45.

141-42 Interior Design (3-3)

The consideration of space, proportion, line, color, and texture—a consideration of personal problems in decoration. (Not offered in 1944-45.)

143-44 Folk Art of America (3-3)

A survey of Indian arts and crafts and the craft arts of America from the colonial period to the present. (Not offered in 1944-45.)

†151-52 Modern Art (3-3)

Crandall

The interpretation of the fine arts of the nineteenth and twentieth centuries of Europe and the Americas. 1944-45 and alternate years. Tues. and Thurs., 6:10 to 7:25 P.M. 1945-46 and alternate years, Tues. and Thurs., 11:10 A.M. to 12:25 P.M.

†161-62 History of Art Criticism (3-3)

Crandall

A survey of art criticism from ancient Greece to the present. Admission by permission of the instructor. Hours to be arranged.

DRAWING, PAINTING, AND SCULPTURE*

165-66 Drawing and Painting—Still Life, Life, and Portrait (6-6) Lahey, Weisz

Section A: daily, 9:00 A.M. to 12:00 M. (Lahey); section B: daily, 9:00 A.M. to 12:00 M. (Weisz); section C: daily except Sat., 7:00 to 9:45 P.M. (Lahey); section D: daily except Sat., 7:00 to 9:45 P.M. (Weisz).

167-68 Life Drawing and Painting (6-6)

Bacon

Section A: daily except Sat., 9:00 A.M. to 12:00 M.; section B: daily except Sat., 1:00 to 3:45 P.M.

173-74 Antique Drawing (6-6)

Battaglia

Section A: daily, 9:00 A.M. to 12:00 M.; section B: daily except Sat., 1:00 to 3:45 P.M.; section C: daily except Sat., 7:00 to 9:45 P.M.

175-76 Composition (2-2)

Weisz

Criticism—Friday, 1:00 to 2:30 P.M.

178 Out-of-Door Landscape (3)

Lahey

Offered during April and May only, daily except Sat., 1:00 to 3:45 P.M.

179-80 Sculpture (6-6)

Warneke

Portrait-life modeling and composition in clay, plaster and wood carving. Section A: daily except Sat. (criticism—Friday), 1:00 to 3:45 P.M.; section B: daily except Sat. (criticism—Friday), 7:00 to 9:45 P.M.

* Courses offered by the staff of the Corcoran School of Art may be taken under the same instructor as many as four times with the consent of the Dean of Columbian College and the Principal of the Corcoran School of Art.

Materials for courses in drawing, painting, and sculpture are to be purchased by the student. A locker fee is charged all students of drawing, painting, or sculpture by the Corcoran School of Art: single locker, \$2 a year (of which \$1 is refunded); double locker, \$1 a year (of which \$.50 is refunded).

181-82 *Etching*

Credits to be arranged. 1:00 to 3:45 P.M.

183-84 *Design and Commercial Art*

Credits to be arranged. (Not offered in 1944-45.)

185-86 *Advanced Commercial Art*

Credits to be arranged. (Not offered in 1944-45.)

ART EDUCATION

141-42 *Teaching of Art (3-3)*

Hours to be arranged.

BACTERIOLOGY, HYGIENE, AND PREVENTIVE MEDICINE

Leland Wilbur Parr, Ph.D., *Professor of Bacteriology, Executive Officer*
 Ralph Gregory Beachley, M.D., Dr.P.H., *Adjunct Professor of Public Health Practice*
 Angus MacIvor Griffin, Ph.D., *Associate Professor of Bacteriology*
 Mary Louise Robbins, Ph.D., *Instructor in Bacteriology*

SEMINAR LECTURERS

Roscoe Roy Spencer, A.B., M.D., *Professorial Lecturer in Hygiene and Preventive Medicine*
 Charles Armstrong, B.S., M.D., Sc.D., *Professorial Lecturer in Preventive Medicine*
 Rolla Eugene Dyer, A.B., M.D., LL.D., *Professorial Lecturer in Preventive Medicine*
 Royd Ray Sayers, A.M., M.D., *Professorial Lecturer on Industrial Hygiene*
 Sara Elizabeth Branham, Ph.D., M.D., Sc.D., *Professorial Lecturer in Preventive Medicine*
 Alice Catherine Evans, M.S., M.D., Sc.D., *Professorial Lecturer in Preventive Medicine*
 Chester Wilson Emmons, Ph.D., *Professorial Lecturer on Medical Mycology*
 Willard Hull Wright, D.V.M., Ph.D., *Professorial Lecturer on Medical Zoology*
 James Stevens Simmons, M.D., Ph.D., Sc.D., *Professorial Lecturer in Preventive Medicine*

112 *General Bacteriology (4)*

Griffin

A study of the fundamentals of bacteriology, including industrial and hygienic applications. Several groups of bacteria, yeasts, and molds are studied in the laboratory. Material fee, \$7.50. Tues., Thurs., and Sat., 9:10 A.M. to 12:00 M.

209 *Bacteriology, Parasitology, and Immunology*

Parr, Griffin

Bacteriological technique study of micro-organisms and parasites related to medical and hygienic problems. Methods of diagnosis are stressed and immunological procedures and theory fully treated. Eighteen hours a week for fourteen weeks.

210 Immunology and Serology

Griffin

Prerequisite: Bacteriology 112 or 209. Hours and credits to be arranged.

220 Fundamentals of Hygiene and Preventive Medicine (2)

Parr and Staff

An introduction to the study of preventive medicine and hygiene, involving all the subject matter suitable for the student of medicine who has not yet had clinical training. Two hours a week.

303-4 Research in Bacteriology

The Staff

Hours and credits to be arranged.

305-6 Staff Seminar (1-1)

Parr and Staff

Bi-weekly throughout the year.

401-2 Public Health Practice

Beachley

The application of the specialty of preventive medicine in health department practice. One hour a week.

BIOCHEMISTRY

Joseph Hiram Roe, Ph.D., *Professor of Biochemistry, Executive Officer*
 *Arnold Kent Balls, Ph.D., *Adjunct Professor of Enzymology*
 William Henry Sebrell, Jr., M.D., *Professorial Lecturer on Nutrition*
 Alan Hisey, Ph.D., *Assistant Professor of Biochemistry*
 †Oliver John Irish, Ph.D., *Instructor in Biochemistry*
 Marian Wood Kies, A.M., *Instructor in Biochemistry*
 Marvel-Dare Fellows Nutting, Ph.D., *Instructor in Biochemistry*

- 113-14 *Biochemistry* Roe and Staff
 Physiological and clinical chemistry for the first-year medical student.
 Tues. and Thurs., 1:00 to 5:00 P.M. Two lectures and two three-hour laboratory periods a week.
- 221-22 *Biochemistry (2-2 or 4-4)* Hisey
 A lecture (2-2) and laboratory (2-2) course for nonmedical students.
 Prerequisite: Chemistry 152. Material fee, \$12 a term. Mon. and Wed., 9:00 A.M. to 12:00 M.
- 224 *Biochemistry of the Enzymes (elective)*
 Lecture course dealing with the biochemistry of the enzymes and enzyme reactions. Prerequisite: Biochemistry 113 or 221. (Not offered in 1944-45.)
- 225 *Biochemical Preparations* The Staff
 Material fee, \$10. Hours and credits to be arranged.
- 226 *Biochemical Laboratory Methods* The Staff
 Material fee, \$10. Hours and credits to be arranged.
- 227-28 *Biochemistry Seminar (1-1)* Roe and Staff
 The current literature in the field of biochemistry, mainly for graduate students, but open to a limited number of specially qualified medical students. Fri., 4:45 P.M.
- 229-30 *Research in Biochemistry* Roe and Staff
 Hours and credits to be arranged.
- 231-32 *Nutrition (1-1)* Roe and Staff
 For graduate students and qualified medical students (elective).
 Lecture course on the science of nutrition. Prerequisite: Biochemistry 114 or 222. Wed., 5:00 P.M. (Not offered in 1944-45.)
- 404 *Applied Nutrition (1)* Sebrell
 For senior medical students and graduate students. Lecture course upon dietary requirements, deficiency diseases, and therapeutic diets.
 Prerequisite: Biochemistry 114 or 222. Tuesday, 8:00 A.M.

* On leave of absence 1944-45.
 † On war leave 1944-45.

BIOLOGY*

‡Paul William Bowman, Ph.D., *Associate Professor of Biology, Executive Officer*

The major.—Prerequisite: Biology 1-2, Botany 1 and 2, and Zoology 1-2. The student who majors in biology will be required to demonstrate in the major examination a reasonable knowledge and understanding of the following subjects: classification of plants and animals and their life histories, geology, ecology, evolution, heredity, the physical and cultural development of man, the biological problems of the community and the nation, the historical development of biology, and the great biologists of the past and present. Some of this information he will obtain by taking courses offered in these fields and some by reading and observation under the guidance of his adviser. For further details, see the pamphlet on this subject or consult the adviser.

FIRST GROUP

- 1-2 *Survey in Biology* (3-3) Bowman
Systematic study of the plant and animal kingdoms, with emphasis upon the interdependence of living things. Review of work done in evolution, heredity, public health, and conservation. Material fee, \$3.00 a term. (Not offered in 1944-45.)

SECOND GROUP

- §107-8 *Evolution* (3-3) Griggs
Survey stressing the data which have led to the larger generalizations of the science; the derivation and discussion of theories based largely on these data. Prerequisite: one year of college work in biology, botany, geology, or zoology. Mon., Wed., and Fri., 6:10 P.M.
- 115-16 *Principles of Cytology* (3-3) Bowman
Study of plant and animal cells based on Sharp's *Introduction to Cytology*, with training in preparation of slides and use of laboratory equipment. Prerequisite: one year of college work in biology, botany, or zoology. Material fee, \$6.00 a term. (Not offered in 1944-45.)
- 127-28 *Genetics* (3-3) Bowman
A laboratory course with problems and experiments. Prerequisite: Biology 2, Botany 1, or Zoology 2. Material fee, \$6.00 a term. (Not offered in 1944-45.)
- †137-38 *General Physiology* (3-3) Yocum
The fundamental physiology of protoplasm as applicable to both animals and plants. Prerequisite: Chemistry 12 and one year of college work in biology, botany, or zoology. 1944-45 and alternate years, Mon., Wed., and Fri., 11:10 A.M.

* See also departments of Botany and Zoology, pages 158-59 and 277-79.

‡ On war leave 1944-45.

§ Excursions into the out-of-doors and visits to museums and other places of biological interest.

- 199-200 *Proseminar: Biology* (3-3) Bowman
Individually planned and directed work by means of which majors in biology may learn something of those branches not studied in regular courses and may organize and coordinate their knowledge of the field. (Not offered in 1944-45.)

THIRD GROUP

- 201-2 *Seminar: Cytology* (3-3) Bowman
Hours to be arranged. (Not offered in 1944-45.)
- 203-4 *Seminar: Genetics* (3-3) Bowman
Hours to be arranged. (Not offered in 1944-45.)
- 211-12 *Research in Cytology* Bowman
Hours and credits to be arranged. (Not offered in 1944-45.)
- 213-14 *Research in Genetics* Bowman
Hours and credits to be arranged. (Not offered in 1944-45.)
- 299-300 *Thesis* (3-3) Bowman

BOTANY*

Robert Fiske Griggs, Ph.D., *Professor of Botany, Executive Officer*

†William Webster Diehl, Ph.D., *Adjunct Professor of Mycology*

Lawson Edwin Yocum, Ph.D., *Associate Professor of Botany*

Minimum requirements for the major.—Twenty-four credit hours of botany beyond the introductory courses, with collaterals as recommended in conference.

FIRST GROUP

1 *Structure and Functions of the Flowering Plant*§|| (3) Yocum

The typical plant as a working mechanism, with the emphasis on the general biological significance of plant physiology. Material fee, \$4.50. Section A: Tues. and Thurs., 9:10 A.M. Laboratory—Fri., 1:40 to 3:30 P.M. Section B: Tues. and Thurs., 11:10 A.M. Laboratory—Thurs., 1:40 to 3:30 P.M. Section C: Mon. and Wed., 6:10 to 8:00 P.M.

Summer term 1944.

2 *Survey of the Plant Kingdom*|| (3) Yocum

Study of the different kinds of plants, with emphasis on the evolution of the plant kingdom; practice in identifying flowering plants. Material fee, \$4.50. Section A: Tues. and Thurs., 9:10 A.M. Laboratory—Fri., 1:40 to 3:30 P.M. Section B: Tues. and Thurs., 11:10 A.M. Laboratory—Thurs., 1:40 to 3:30 P.M. Section C: Mon. and Wed., 6:10 to 8:00 P.M.

Summer term 1944.

5 *Field Botany*|| (6) Griggs

Field trips to neighboring localities of botanical interest, with classroom study. (Not offered in 1944-45.)

SECOND GROUP||

121 *Grasses* (3) Griggs

The taxonomy, morphology, phylogeny, and economics of the Poaceae; the making of a collection; and the determination of a series of representative grasses not available in the vicinity. Text: Hitchcock. *Manual of Grasses*, 1945-46 and alternate years, Mon., 7:10 P.M. Laboratory hours to be arranged.

122 *Higher Monocots* (3) Griggs

Survey of Arales, Palmales, Liliales, Armaryllidales, Marantales, Orchidales; study of flower morphology and evolutionary tendencies indicated; determination of a series of representative species. 1945-46 and alternate years, Mon., 7:10 P.M. Laboratory—hours to be arranged.

* See also the departments of Biology and Zoology, pages 156-57 and 277-79.

† On leave of absence 1944-45.

§ Before completing registration for Botany 1, each student must obtain from the representative of the Department an assignment to a laboratory section.

|| Prerequisite to all second group courses: Botany 1 and 2, or 3.

- 123-24 *Dicots* (3-3) Griggs
Survey of selected dicotyledonous orders, the selection varying from year to year; practice in naming unknowns. Text: Pool, *Flowers and Flowering Plants*. 1944-45 and alternate years, Mon., 7:10 P.M. Laboratory—hours to be arranged.
- 131-32 *Mycology* (3-3) Diehl
(Not offered in 1944-45.)
- 133-34 *Plant Pathology* (3-3) Diehl
Material fee, \$6.00 a term. (Not offered in 1944-45.)
- 135-36 *Plant Physiology* (3-3) Yocum
Fall term: mineral and water relations of plants; winter term: organic syntheses and growth. Prerequisite: Chemistry 11-12. Material fee, \$6.00 a term. 1944-45 and alternate years, Tues. and Thurs., 6:10 P.M. Laboratory—Thurs., 7:00 to 9:00 P.M.
- 141-42 *Plant Ecology* (3-3) Griggs
1945-46 and alternate years, Fri., 7:10 P.M. Laboratory—hours to be arranged.
- 143 *Plant Distribution* (3) Griggs
Plant distribution, especially in the United States and Canada; biological relationships of eastern America with eastern Asia and of lands in the Southern Hemisphere, and their bearing on biological and geological history. 1944-45 and alternate years, Fri., 7:10 P.M. Laboratory—hours to be arranged.
- 144 *Vegetation of the United States* (3) Griggs
Seminar on the areas and characteristics of the principal types of vegetation in the United States. 1944-45 and alternate years, Fri., 7:00 P.M. Laboratory—hours to be arranged.

THIRD GROUP

- 219-20 *Seminar: Morphology* (3-3) The Staff
(Not offered in 1944-45.)
- 221-22 *Seminar: Taxonomy* (3-3) Griggs
(Not offered in 1944-45.)
- 235-36 *Seminar: Physiology* (3-3) Yocum
Subject for 1944-45: Growth regulators of plants. Wed., 7:00 to 9:00 P.M.
- 241-42 *Seminar: Ecology* (3-3) Griggs
(Not offered in 1944-45.)
- 251-52 *Seminar* (3-3) The Staff
Discussions of current advances in plant science—partly by the staff and advanced students, partly by authorities invited from neighboring laboratories. (Not offered in 1944-45.)
- 261-62 *Research* The Staff
Hours and credits to be arranged.
- 299-300 *Thesis* (3-3) The Staff

BUSINESS ADMINISTRATION

- Richard Norman Owens, Ph.D., C.P.A., *Professor of Accounting and Business Administration*
 Harold Griffith Sutton, M.S., *Professor of Finance*
 Ralph Dale Kennedy, Ph.D., *Professor of Accounting and Business Administration, Executive Officer*
 Wilford Lenfestey White, M.B.A., D.C.S., *Professorial Lecturer on Marketing*
 Orton Wells Boyd, A.M., C.P.A., *Lecturer in Business Administration*
 Arlin Rex Johnson, Ph.D., *Lecturer on Accounting*
 Harry Meredith Kurth, B.S., *Lecturer on Accounting*
 Harry Gray Brainard, Ph.D., *Lecturer on Accounting*

Minimum requirements for the major.—See page 134.

FIRST GROUP

- 51-52 *Principles of Accounting* (3-3) Kennedy and Staff
 Rules of debit and credit, underlying principles of accounting records, simple partnership and corporation problems, and the preparation of financial statements. Section A: Mon., Wed., and Fri. 9:10 A.M.; section B: Mon., Wed., and Fri., 7:10 P.M.; section C: Tues. and Thurs., 7:35 to 8:50 P.M.
 Business Administration 51x—same as Business Administration 51, but offered winter term. Tues. and Thurs., 6:10 to 7:25 P.M.
 Business Administration 52x—same as Business Administration 52, but offered fall term. Prerequisite: Business Administration 51, or the approval of the instructor. Tues. and Thurs., 6:10 to 7:25 P.M.
 Summer Term 1944.

SECOND GROUP

- 101-2 *Business Organization and Management* (3-3) Owens
 Promotion of an enterprise and selection of a form of organization; departmentizing and administration. Mon., Wed., and Fri., 10:10 A.M.
 Summer Term 1944.
 115 *Business Finance* (3) Kennedy
 Basic principles involved in the financial policies of business enterprises. Prerequisite: Business Administration 51-52; Economics 1-2. Tues. and Thurs., 6:10 to 7:25 P.M.
 Summer Term 1944.
 118 *Investments* (3) Sutton
 Analysis of factors of investment credit with application to different types of investments; proper selection of investments for various classes of investors; regulation. Prerequisite: Business Administration 115. (Not offered in 1944-45.)

- 121 *Bank Management* (3) Sutton
Analysis of the lending and investing policies which under various business conditions are best adapted to efficient bank management. Prerequisite: Economics 121-22. (Not offered in 1944-45.)
- 127 *Business Forecasting* (3) Brainard
Forces and factors underlying fluctuations of business activity and methods of forecasting such fluctuations. Prerequisite: Economics 1-2. (Not offered in 1944-45.)
- 128 *Principles of Insurance* (3) Brainard
A general course in underlying principles of property, life, marine, and casualty insurance, and the function of insurance in the economic life of a business or individual. Prerequisite: Economics 1-2. (Not offered in 1944-45.)
- 145 *Cost Accounting* (3) Owens
Job order and process systems of cost findings; interrelation of the cost records and the general accounts; standard costs; distribution costs. Prerequisite: Business Administration 51-52. Tues. and Thurs., 6:10 to 7:25 P.M.
- 151-52 *Advanced Accounting* (3-3) Owens
Corporations and partnerships, valuation, actuarial science, estates, receiverships and reorganizations, consolidated statements, and other topics. Prerequisite: Business Administration 51-52. Mon., Wed., and Fri., 6:10 P.M.
- 155x *Analysis of Financial Statements* (3) Kennedy
Technique of analyzing financial statements for the guidance of operating executives, directors, stockholders, and creditors; valuation of balance sheet items; determination and interpretation of ratios. Prerequisite: Business Administration 51-52. Tues. and Thurs., 6:10 to 7:25 P.M.
Summer Term 1944.
- 159 *Federal Taxation* (3) Boyd
Tax problems which confront business enterprise: income, excess profits, capital stock, pay roll, and excise taxes. Prerequisite: Business Administration 151. Tues. and Thurs., 7:35 to 8:50 P.M.
- 160 *Governmental Accounting* (3) Kurth
Accounting problems of federal, state, and local government. Budgetary control; appropriation accounts; encumbrances; fund accounting. Prerequisite: Business Administration 151-52. Tues. and Thurs., 7:35 to 8:50 P.M.
- 165 *Auditing* (3) Owens
Duties and responsibilities of the auditor; principles and procedures in making audits; arrangement of working papers and the preparation of reports. Prerequisite: Business Administration 151-52. Mon., Wed., and Fri., 7:10 P.M.
- 168 *Accounting Theory and Problems* (3) Owens
The solution of advanced problems and a discussion of the principles involved. Prerequisite: Business Administration 151-52. Mon., Wed., and Fri., 7:10 P.M.

- 171x *Principles of Marketing* (3) White
A survey of marketing, giving particular attention to consumption, retailing, wholesaling, and sales management; the entire marketing structure and its relation to the total economy. Prerequisite: Economics 1-2. Tues. and Thurs., 7:35 to 8:50 P.M.
- 172 *Marketing Problems* (3) White
Marketing principles applied to specific distribution policy and operating problems of retailers, wholesalers, and manufacturers handling consumers' and industrial goods. Prerequisite: Business Administration 171. 1945-46 and alternate years. Tues. and Thurs., 7:35 to 8:50 P.M.
- 174 *Exporting and Importing* (3) White
Policy and operating questions of foreign marketing—exporting and importing; markets, limitations, and opportunities. Prerequisite: Economics 1-2. 1945-46 and alternate years, Tues. and Thurs., 6:10 to 7:25 P.M.
- 177-78 *Problems in Retailing* (3-3) Johnson
Principles and problems in retail merchandising, including markup, inventory valuation, and expense control; also, service and personnel problems. Admission by permission of the instructor. Mon., 8:10 P.M. (Not offered in 1944-45.)
- 181 *Public Utilities* (3) Kennedy
Public utility characteristics, organization, management, financing, combinations, and accounting; regulation, valuation, and rate-making are stressed. Prerequisite: Economics 1-2. (Not offered in 1944-45.)
- 185 *Principles of Railroad Transportation* (3) Kennedy
Railroad history, organization, regulations, rate-making theory and practice, accounting, securities, and consolidation. Work of Interstate Commerce Commission stressed. Prerequisite: Economics 1-2. 1944-45 and alternate years, Mon., Wed., and Fri., 6:10 P.M.
- 186 *Principles of Motor, Air, and Water Transportation* (3) Kennedy
History, organization, economics, regulations, and rates of motor, air, and water carriers; coordination of transportation. Prerequisite: Economics 1-2. 1944-45 and alternate years, Mon., Wed., and Fri., 6:10 P.M. 1945-46 and alternate years, Tues., Thurs., and Sat., 10:10 A.M.

THIRD GROUP

- 251-52 *Seminar in Accounting* (3-3) Owens
Research in accounting problems. Admission by permission of the instructor. (Not offered in 1944-45.)
- 291-92 *Seminar in Business Administration* (3-3) Kennedy
Admission by permission of the instructor. Tues., 7:35 P.M.
- 299-300 *Thesis* (3-3) The Staff

CHEMISTRY

- Colin Mackenzie Mackall, Ph.D., *Professor of Chemistry*
 *Benjamin Douglass Van Evera, Ph.D., *Professor of Chemistry*
 *Ralph Edward Gibson, Ph.D., *Adjunct Professor of Chemistry*
 Samuel Nathaniel Wrenn, Ph.D., *Associate Professor of Chemistry*
 *Charles Rudolph Naeser, Ph.D., *Associate Professor of Chemistry*
 Maurice Hart Van Horn, Ph.D., *Associate Professor of Chemistry*,
Acting Executive Officer
 Florence Everett Hooper, Ph.D., *Assistant Professor of Chemistry*
 James Irvin Hoffman, Ph.D., *Lecturer in Chemistry*
 Howard Wissler Bond, Ph.D., *Lecturer in Chemistry*
 *Robert Corbin Vincent, Ph.D., *Instructor in Chemistry*

The Major.—Prerequisite: Chemistry 11-12, 21, and 22; Mathematics 19 and 20; Physics 5, 6, 7, and 8. Required: Chemistry 111-12, 122, 151-52, and 191. The work of the junior and senior years must be approved by the Department. The German language is strongly recommended for all majors, and is essential for all students doing graduate work.

Requirements for the Master's degree.—In addition to the requirements for the Bachelor's degree: Chemistry 131-32, 211-12, 251-52, 299-300, and the program must include at least four credit hours of laboratory courses. A reading-knowledge examination in French or German (German preferred) must be passed before the second half of the work is started.

Registration.—Before completing registration for courses in which there are laboratory sections, each student must obtain from the representative of the Department an assignment to a laboratory section.

FIRST GROUP

†11-12 *General Chemistry* (4-4)

Wrenn, Hooper,
and Assistants

Chemistry 11-12 constitutes an elementary course in General Chemistry. Students who have credit for high school chemistry may enter Chemistry 12 or 12x only after passing a qualifying examination. (See the University calendar for the date of the qualifying examination.) Prerequisite: One year of high school algebra. Material fee,† \$9 a term. Section A: Mon. and Wed., 10:10 A.M.; section B: Mon. and Wed., 6:10 P.M. Laboratory—section M: Mon. and Wed., 1:40 to 4:30 P.M.; section N: Tues. and Thurs., 1:40 to 4:30 P.M.; section R: Mon. and Wed., 7:10 to 10:00 P.M.; section P: Tues. and Thurs., 7:10 to 10:00 P.M.

Chemistry 11x—same as Chemistry 11, but offered winter term. Section A: Wed. and Fri., 11:10 A.M.; section B: Tues. and Thurs., 6:10 P.M. Laboratory—section N: Tues. and Thurs., 1:40 to 4:30 P.M.; section P: Tues. and Thurs., 7:10 to 10:00 P.M.

* On war leave 1944-45.

† A breakage deposit of \$10, payable in advance, is required of the student registered for one or more chemistry courses requiring a material fee. See page 23.

Chemistry 12x—same as Chemistry 12, but offered fall term. Section A: Wed. and Fri., 11:10 A.M.; section B: Tues. and Thurs., 6:10 P.M. Laboratory—Section N: Tues. and Thurs., 1:40 to 4:30 P.M.; section P: Tues. and Thurs., 7:10 to 10:00 P.M.

Summer term 1944.

21 *Qualitative Inorganic Analysis* (4)

Theoretical and practical study of methods of separating and identifying the more common cations and anions. Prerequisite: Chemistry 12. Material fee,* \$9 a term. Section A: Mon. and Wed., 11:10 A.M.; section B: Mon. and Wed., 6:10 P.M. Laboratory—section M: Mon. and Wed., 1:40 to 4:30 P.M.; section R: Mon. and Wed., 7:10 to 10:00 P.M.

Chemistry 21x—same as Chemistry 21, but offered winter term. Tues. and Thurs., 6:10 P.M. Laboratory—section N: Tues. and Thurs., 1:40 to 4:30 P.M.; section P: Tues. and Thurs., 7:10 to 10:00 P.M.

Summer term 1944

22 *Quantitative Inorganic Analysis* (4)

The principles of gravimetric and volumetric analysis. Prerequisite: Chemistry 21. Material fee,* \$12 a term. Section A: Mon. and Wed., 11:10 A.M.; section B: Mon. and Wed., 6:10 P.M. Laboratory—section M: Mon. and Wed., 1:40 to 4:30 P.M.; section R: Mon. and Wed., 7:10 to 10:00 P.M.

Summer term 1944.

SECOND GROUP

†111-12 *Physical Chemistry* (4-4)

Van Horn

Introduction to theoretical chemistry. Prerequisite: Chemistry 22 and 152; Mathematics 20; Physics 8. Material fee,* \$9 a term. Mon. and Wed., 6:10 P.M. Laboratory—section N: Tues. and Thurs., 1:40 to 4:30 P.M.; section R: Mon. and Wed., 7:10 to 10:00 P.M.

Summer term 1944.

122x *Advanced Quantitative Analysis* (4)

Application of the fundamental principles of analysis to more difficult separations and determinations. Prerequisite: Chemistry 22. Material fee,* \$12. Fri., 6:10 P.M. Laboratory—section M: Mon., Wed., and Fri., 1:40 to 4:30 P.M.; section R: Mon., Wed., and Fri., 7:10 to 10:00 P.M.

123 *Qualitative Inorganic Microanalysis* (2)

The microtechnique of Emich and others applied to qualitative inorganic analysis. Prerequisite: Chemistry 22. Material fee,* \$6. (Not offered in 1944-45.)

†131-32 *Inorganic Chemistry* (2-2)

Chemistry and its theories from the standpoint of the periodic table, with major emphasis on the more common elements. Prerequisite: Chemistry 152. Prerequisite or concurrent registration: Chemistry 111-12. Tues. and Thurs., 7:10 P.M.

* A breakage deposit of \$10, payable in advance, is required of the student registered for one or more chemistry courses requiring a material fee. See page 23.

- 135-36 *Inorganic Chemistry: Preparations (2-2)* Bond
Application of the technique of inorganic chemistry to the preparation and purification of a list of selected substances. Prerequisite: Chemistry 152. Prerequisite or concurrent registration: Chemistry 111-12. Material fee,* \$12 a term. Laboratory—Tues. and Thurs., 7:10 to 10:00 P.M.
- †151-52 *Organic Chemistry (4-4)* Mackall and Assistants
The acyclic and cyclic compounds of carbon are studied concurrently. Semi-micro technique is emphasized in the laboratory. Prerequisite: Chemistry 12. Students are strongly advised to take Chemistry 21 before entering this course. Material fee,* \$9 a term. Section A: Mon., Wed., and Fri., 10:10 A.M.; section B: Mon., Wed., and Fri., 6:10 P.M. Laboratory—section M: Fri., 1:40 to 4:30 P.M.; section N: Thurs., 1:40 to 4:30 P.M.; section R: Wed., 7:10 to 10:00 P.M.
Summer term 1944.
- 155x *Organic Chemistry: Preparations (2 or 3)* Wrenn
The synthesis of carbon compounds, and a study of the fundamental techniques of purification. Prerequisite: Chemistry 22 and 152. Material fee,* \$6 a credit hour. Hours to be arranged.
- 156 *Qualitative Organic Analysis (2)* Mackall
The identification of pure organic compounds, the separation of mixtures, and the identification of their components. Prerequisite: Chemistry 22 and 152. Material fee,* \$12. Laboratory—Mon. and Wed., 7:10 to 10:00 P.M.
Summer term 1944.
- 191 *History of Chemistry (2)* Mackall
The development of chemistry, and the biographies of eminent contributors to the science. Prerequisite: Chemistry 22 and 151. Tues. and Thurs., 6:10 P.M.

THIRD GROUP

- 203 *Chemical Kinetics (2)*
The rates of chemical reaction and the factors influencing them. Prerequisite: Chemistry 112. (Not offered in 1944-45.)
- 204 *Catalysis (2)*
Prerequisite: Chemistry 203. (Not offered in 1944-45.)
- 205 *Surface Chemistry (2)*
Prerequisite: Chemistry 112. (Not offered in 1944-45.)
- 206 *Colloid Chemistry (2)*
Prerequisite: Chemistry 205. (Not offered in 1944-45.)
- 211-12 *Advanced Physical Chemistry (2-2)* Van Horn
Development and application of the principles of thermodynamics and the kinetic theory to chemical problems. Prerequisite: Chemistry 112. Tues. and Thurs., 6:10 P.M.

* A breakage deposit of \$10, payable in advance, is required of the student registered for one or more chemistry courses requiring a material fee. See page 23.

- 215-16 *Physical Chemistry of Solids, Liquids, and Solutions* (2-2) Gibson
215: solids, liquids, and solutions of nonelectrolytes.
216: thermodynamics and statistical mechanics of solutions. Prerequisite: Chemistry 212. (Not offered in 1944-45.)
- 217-18 *Recent Advances in Physical Chemistry* (2-2) Gibson
Prerequisite: Chemistry 212. (Not offered in 1944-45.)
- †221-22 *Advanced Quantitative Analysis* (2-2) Hoffman
The theory of the quantitative estimation of the less common elements. Prerequisite: Chemistry 122 and 132. (1945-46 and alternate years.)
- 226 *Quantitative Organic Analysis* (3)
Micro and semi-micro procedures. Prerequisite: Chemistry 22 and 152; permission of the instructor. Material fee,* \$9. (Not offered in 1944-45.)
- †231-32 *Advanced Inorganic Chemistry* (2-2) Hoffman
The chemistry of the less familiar elements. Prerequisite: Chemistry 132 and 152. 1944-45 and alternate years, Tues. and Thurs., 7:10 P.M.
- 251-52 *Advanced Organic Chemistry* (3-3) Wren
An introduction to the literature of organic chemistry; the study of the syntheses, reactions, and properties of carbon compounds; the fundamental theories of organic chemistry. Prerequisite: Chemistry 152; prerequisite or concurrent registration: Chemistry 111-12. (Not offered 1944-45.)
Chemistry 252x—same as Chemistry 252 but offered fall term 1944-45. Mon., Wed., and Fri., 7:10 P.M.
Summer term 1944—Chemistry 251.
- 253x *Advanced Synthetic Organic Chemistry* (3) Wren
A critical study of the reactions employed in the synthesis of organic compounds. Prerequisite: Chemistry 252. Mon., Wed., and Fri., 7:10 P.M.
- 254 *Stereochemistry* (2) Mackall
The stereochemistry of organic compounds. Prerequisite: Chemistry 252. 1944-45 and alternate years. Tues. and Thurs., 6:10 P.M.
- 255 *Carbohydrates* (2) Hooper
The structure and properties of the carbohydrates. Prerequisite or concurrent registration: Chemistry 252. Tues. and Thurs., 6:10 P.M.
- 256 *Polypeptides* (2)
The structure and classification of polypeptides and their derivatives. Prerequisite: Chemistry 252. (Not offered in 1944-45.)

* A breakage deposit of \$10, payable in advance, is required of the student registered for one or more chemistry courses requiring a material fee. See page 23.

- 291-92 *Seminar* (1-1) The Staff
(Not offered in 1944-45.)
- 297-98 *Research* The Staff
Research on problems approved by the staff. Open to qualified students with advanced training. Hours, credits, and fees to be arranged.
Summer term 1944.
- 299-300 *Thesis* (3-3) The Staff
Material fee,* \$12 a term. Hours to be arranged.
Summer term 1944.

* A breakage deposit of \$10, payable in advance, is required of the student registered for one or more chemistry courses requiring a material fee. See page 23.

CIVIL ENGINEERING

- *Frank Artemas Hitchcock, M.S. in C.E., C.E., *Professor of Civil Engineering; Director of War Training Program*
- Joseph Young Dreisonstok, Capt., U. S. Navy, B.S., *Professorial Lecturer on Navigation*
- *Charles Edward Cook, B.S. in E.E., B.S. in C.E., C.E., *Associate Professor of Civil Engineering*
- *George Strollo, B.S. in C.E., M.C.E., *Associate Professor of Civil Engineering*
- Carl Hugo Walther, B.E., M.C.E., *Associate Professor of Civil Engineering, Acting Executive Officer*
- Joseph Carl Oleinik, B.S. in C.E., M.S., *Associate in Civil Engineering*
- William Hayward, B.S. in C.E., *Associate in Civil Engineering*
- Earl Hildreth Lund, B.S. in C.E., C.E., LL.B., *Associate in Civil Engineering*
- Ralph Edward Fuhrman, B.S. in C.E., M.S., *Associate in Civil Engineering*

Minimum requirements for the major.—See pages 101-2.

Summer term 1944.—Odd-numbered courses will be offered except 15, 147.

Fall term 1944-45.—Even-numbered courses will be offered except 148, 172.

Winter term 1944-45.—Odd-numbered courses will be offered except 151, 181.

FIRST GROUP

- 2 *Plane Surveying* (3) Hayward
Principles, methods, and instruments used in surveying; with field work. Prerequisite: Trigonometry. Surveying fee, \$6. Section A: Tues. and Thurs., 12:10 P.M.; section B: Tues. and Thurs., 7:10 P.M. Field work—Sat., 9:10 A.M. and 1:40 P.M.
- 15 *Navigation* (3) Dreisonstok
Principles, methods, and instruments used in surface and aerial navigation. Charts, piloting, dead-reckoning, nautical astronomy, position determination. Prerequisite: Trigonometry. Mon., Wed., and Fri. 6:10 P.M.
- 17 *Meteorology for Navigation* (2) Dreisonstok
Principles and elements of atmospheric behavior; weather forecasting data, and maps. Prerequisite: Physics 6 and 7.
- 21 *Analytical Mechanics: Statics* (2) Dreisonstok
Composition and resolution of forces; axial stresses; centroids; friction. Prerequisite: Physics 6; prerequisite or concurrent registration: Mathematics 20. Section A: Tues. and Thurs., 11:10 A.M.; section B: Tues. and Thurs., 7:10 P.M.

* On war leave 1944-45.

22 Analytical Mechanics: Dynamics (3)

Kinematics of a particle; kinetics of a body in translation, rotation, and plane motion; work and energy; impulse and momentum. Prerequisite: Civil Engineering 21. Section A: Mon., Wed., and Fri., 11:10 A.M.; section B: Mon., Wed., and Fri., 7:10 P.M.

23 Higher Surveying (4)

Hayward

Elements of geodesy, triangulation, topography, hydrography, and precise and trigonometric leveling, with field work. Prerequisite: Civil Engineering 2. Surveying fee, \$6. Section A: Mon., Wed., and Fri., 11:10 A.M.; section B: Mon., Wed., and Fri., 6:10 P.M. Field work—Sat., 9:10 A.M. and 1:40 P.M.

25-26 Materials of Construction (2-2)

Walther

Nonmetallic materials, with emphasis on cement; metallic materials, with emphasis on iron and steel. Prerequisite or concurrent registration: Chemistry 12. Section A: Tues. and Thurs., 9:10 A.M.; section B: Tues. and Thurs., 6:10 P.M.

SECOND GROUP

123 Strength of Materials (3)

Tension, compression, shear, flexure, and torsion; deflection; combined and working stresses. Prerequisite: Civil Engineering 22. Section A: Mon., Wed., and Fri., 10:10 A.M.; section B: Mon., Wed., and Fri., 6:10 P.M.

136 Hydraulics (3)

Hydrostatics: flow through pipes and open channels; laminar and turbulent flow. Prerequisite: Civil Engineering 22. Section A: Mon., Wed., and Fri., 10:10 A.M.; section B: Mon., Wed., and Fri., 6:10 P.M.

140 Materials and Hydraulics Laboratory (2)

Determination of the properties of materials by mechanical tests, and a study of the flow of fluids. Prerequisite: Civil Engineering 123; prerequisite or concurrent registration: Civil Engineering 26 and 136. Laboratory fee, \$6. Section A: Tues. and Thurs., 1:40 P.M.; section B: Tues. and Thurs., 8:10 P.M.

141 Graphic Statics (3)

Walther

Fundamental principles; analyses of beams; determination of stresses in roof trusses and framed bents. Prerequisite or concurrent registration: Civil Engineering 123. Drafting-room fee, \$1. Section A: Tues. and Thurs., 11:10 A.M., and Thurs., 1:40 P.M.; section B: Tues. and Thurs., 7:10 P.M., and Tues., 8:10 P.M.

142 Bridge Stresses (3)

Walther

Determination of stresses in modern types of bridge trusses. Prerequisite: Civil Engineering 141. Drafting-room fee, \$1. Section A: Tues. and Thurs., 11:10 A.M., and Thurs., 1:40 P.M.; section B: Tues. and Thurs., 7:10 P.M., and Tues., 8:10 P.M.

147-48 Structural Design (2-2)

Walther

Computations and drawings for the design of steel structures. Prerequisite: Civil Engineering 142. Drafting-room fee, \$3 a term. Tues. and Thurs., 8:10 P.M.

- 149-50 *Concrete and Masonry Construction* (3-3) Oleinik
Plain concrete; general properties and theory of reinforced concrete foundations and retaining walls. Prerequisite: Civil Engineering 148 and 123. Civil Engineering 149, laboratory fee, \$6; Civil Engineering 150, drafting-room fee, \$1. Tues. and Thurs., 6:10 P.M., and Mon., 8:10 P.M.
- 151-52 *Statically Indeterminate Structures* (2-2) Walther
A study of such structures as continuous spans, rigid frames, and arches by methods of work, slope deflection, and moment distribution. Prerequisite: Civil Engineering 142. Mon. and Fri., 6:10 P.M.
- 164 *Highway Engineering* (3)
Highway economics, location, construction, and maintenance. Prerequisite or concurrent registration: Civil Engineering 25 and 171. Mon., Wed., and Fri., 6:10 P.M.
- 171 *Route Surveying* (3) Hayward
Curves and earthwork, and methods of location as used on railroads and highways; field work; complete highway location. Prerequisite: Civil Engineering 2. Surveying fee, \$6. Tues. and Thurs., 6:10 P.M. Field work—Sat., 1:40 P.M.
- 172 *Railroad Engineering* (3)
Track construction and requirements, rolling stock, cost and operation of railroads, with field work. Prerequisite: Civil Engineering 171. Surveying fee, \$6.
- 181-82 *Water Supply and Sewerage* (3-3) Fuhrman
Collection, storage, purification, and distribution of water; sewerage systems and treatment of sewage. Prerequisite: Civil Engineering 150. Chemistry 12. Mon., Wed., and Fri., 7:10 P.M.
- 187 *Contracts and Specifications* (2) Lund
Contract principles; preparation of contracts; specifications and methods of studying them; examples of contracts and specifications; practice in analyzing and writing specifications. Tues. and Thurs., 7:10 P.M.
- 189-90 *Civil Engineering Proseminar* (1-1) Mason
Hours to be arranged.

CLASSICAL LANGUAGES AND LITERATURES

*John Francis Latimer, Ph.D., *Associate Professor of Classical Languages and Literatures*

LATIN

†1-2 *First-year Latin* (3-3)

Essentials of Latin grammar; reading selections; composition. (Not offered in 1944-45.)

†3-4 *Second-year Latin* (3-3)

Review of grammar; wide variety of reading selections; composition (Not offered in 1944-45.)

GREEK

†1-2 *First-year Greek* (3-3)

Essentials of Greek grammar; reading selections; composition. (Not offered in 1944-45.)

†3-4 *Second-year Greek* (3-3)

Review of grammar; wide variety of reading material; composition (Not offered in 1944-45.)

* On war leave 1944-45.

DERMATOLOGY AND SYPHILOLOGY

- Harry Ford Anderson, M.D., *Professor of Dermatology and Syphilology*
Executive Officer
 George William Creswell, A.B., M.D., *Associate in Dermatology and Syphilology*
 Hayden Kirby-Smith, B.S., M.D., *Associate in Dermatology and Syphilology*
 Adolph Rostenberg, Jr., A.B., M.D.C.M., *Clinical Instructor in Dermatology and Syphilology*
 George Davis Weickhardt, M.D., *Clinical Instructor in Dermatology and Syphilology*

313-14 *Dermatology and Syphilology*

Lectures on diseases of the skin and syphilis. One hour a week. Anderson

316 *Neurosyphilis*

Lectures, clinical demonstrations, and practical diagnostic and therapeutic procedures. One hour a week for eight weeks. The Staff

317-18 *Clinic*

Case demonstrations, diagnosis, and treatment of skin diseases and syphilis. Three hours a week. Gallinger Hospital. The Staff

407-8 *Clinic*

Dermatology and syphilology in infants and children. Two hours a week. Anderson Children's Hospital

409-10 *Clinic*

Clinical demonstration, diseases of the skin. One hour a week. Emergency Hospital. Anderson

411-12 *Clinic*

Clinical demonstrations, diseases of the skin, and diagnosis and therapy of syphilis. One hour a week. University Hospital. The Staff

413-14 *Clinic*

Diagnosis, laboratory procedures, and treatment of syphilis. Two hours a week. Southwest Health Center. Creswell

ECONOMICS

John Donaldson, Ph.D., *Professor of Political Economy*

James Christopher Corliss, A.M., *Adjunct Professor of Inter-American Economics*

Arthur Edward Burns, Ph.D., *Adjunct Professor of Economics*

Gerhard Colm, Dr. rer. pol., *Professorial Lecturer in Economics*

*Edward Campion Acheson, Ph.D., *Associate Professor of Finance*

Donald Stevenson Watson, Ph.D., *Associate Professor of Economics,*

Acting Executive Officer

Don Dougan Humphrey, Ph.D., *Lecturer in Economics*

Peyton Armstrong Kerr, Ph.D., *Lecturer in Economics*

Richard Musgrave, Ph.D., *Lecturer in Economics*

Arthur Max Ross, Ph.D., *Lecturer in Economics*

Charles David Stewart, M.Soc. Sci., *Lecturer in Economics*

The major.—Prerequisite: Economics 1-2. Required: (1) Economics 101 and three additional credit hours in economic theory (courses numbered 100-109); (2) six credit hours in each of three of the four following groups: finance (courses numbered 120-29), labor (courses numbered 140-49), government and economic activity (courses numbered 160-69), and international economics (courses numbered 180-92); (3) fifteen credit hours of second-group courses selected from the following departments—Business Administration, History, Philosophy, Political Science, and Statistics; strongly recommended: History 147 and 174; Statistics 101-2.

FIRST GROUP

1-2 *Introductory Economics*† (3-3)

The Staff

Survey of the major economic institutions and economic problems in contemporary society. Section A: Mon., Wed., and Fri., 11:10 A.M.; section B: Mon., Wed., and Fri., 6:10 P.M.; section C: Tues. and Thurs., 7:35 to 8:50 P.M.

Summer term 1944.

SECOND GROUP†

101 *Economic Theory* (3)

Watson, Humphrey

Introduction to formal economic theory; advanced analysis of demand, supply, and price relations. Tues. and Thurs., 7:35 to 8:50 P.M.

Economics 101x—same as Economics 101, but offered winter term. Tues. and Thurs., 7:35 to 8:50 P.M.

Summer term 1944.

* On war leave 1944-45.

† Economics 1-2 is prerequisite to all other courses in economics.

- 102 *Development of Economic Thought* (3) Burns
Economic doctrines since the mercantilist writers; the history of the major schools of thought; influence of changing problems on theory. Summer term 1944.
- 103 *Advanced Economic Theory* (3) Watson
Analysis of the theory of monopolistic competition and other recent developments in general economic theory. Prerequisite: Economics 101. Mon., Wed., and Fri., 7:10 P.M.
- 105 *Economic Fluctuations: Business Cycles* (3)
Analysis of strategic factors in economic instability and economic retardation; survey of recent business-cycle theories. Summer term 1944.
- 107 *The Level of Employment and Income* (3) Burns
Intensive study of the theories of Keynes and of other modern economists. (Not offered in 1944-45.)
- 121-22 *Money and Banking* (3-3) Donaldson, Musgrave
Money, bank credit, and prices; commercial and investment banking; banking systems; historical development of banking; government and banking; functions of money and banking. Section A: Mon., Wed., and Fri., 11:10 A.M.; section B: Mon., Wed., and Fri., 6:10 P.M.
- 123 *Monetary Theory* (3) Acheson
The development of monetary theory; principal contemporary approaches; theoretical background of recent monetary policy. (Not offered in 1944-45.)
- 125 *Monetary Problems*
Survey of monetary developments since the First World War; monetary policies in the 1930's; war finance; post-war monetary reconstruction. Summer term 1944.
- 126 *Foreign Exchange and International Finance* (3) Acheson
Theory and practice of foreign exchanges; the gold standard and international finance during the nineteenth century; war and post-war exchange problems. Prerequisite: Economics 121-22. (Not offered in 1944-45.)
- 140 *Occupational Trends* (3) Stewart
Primarily for occupational counselors. Forecasting the level of activity; post-war problems in demobilization and reversion; significance of national trends for vocational counselors; national and local labor markets. Tues. and Thurs., 7:35 to 8:50 P.M.
- 141 *Labor Economics* (3) Ross
Labor problems: wages, hours, and working conditions; growth of labor organizations; types of unions; union tactics and programs. Tues. and Thurs., 6:10 to 7:25 P.M.

- 142 *Government and Labor Problems* (3) Ross
Labor legislation; labor and the courts; federal regulation of capital-labor relations; the work of federal labor boards. Tues. and Thurs., 6:10 to 7:25 P.M.
- 146 *Economic Security and Social Insurance* (3) Burns
Economic and social problems of unemployment and destitution; analysis of the federal social security program; survey of the Beveridge and other plans for post-war social security.
Summer term 1944.
- 161-62 *Public Finance and Taxation* (3-3) Watson
General survey of government expenditures, sources and methods of taxation, economic effects of expenditures and taxes, and of government debt policies. Tues. and Thurs., 6:10 to 7:25 P.M.
- 165 *Government Control of Economic Activity* (3) Watson
Changing role of government in promoting and regulating economic activity; types and spheres of control. Mon., Wed., and Fri., 6:10 P.M.
- 166 *Comparative Systems of Economic Reform* (3) Watson
Critical analysis of the major theories of economic and social reform, with special attention to their origins and backgrounds. Mon., Wed., and Fri., 6:10 P.M.
- 167 *Economics of Planning* (3) Watson
Analytical comparison of economic systems coordinated by market price with those coordinated by central authority. (Not offered in 1944-45.)
- 169 *Economics of War* (3) Donaldson
The problems of production, price control, and finance in the defense preparation and war economies; post-war problems. Mon. and Wed., 8:10 to 9:25 P.M.
- 170 *Economic Geography* (3)
The economics of natural resources: raw materials; staple crops; and location of industry.
Summer term 1944.
- 181-82 *International Economics* (3-3) Donaldson
Survey of world economics: basic factors; resource controls; international trade, industrial, financial, and monetary processes; relation to internal economic systems. Mon., Wed., and Fri., 7:10 P.M.
- 183 *Tariffs and Commercial Treaties* (3) Donaldson
Origins and types of modern foreign commercial policy, in the light of evolving doctrines; forms and economic effects of tariffs and other measures, and of international commercial accords. Mon., Wed., and Fri., 6:10 P.M.
- 184 *The New Foreign Economic Policies* (3) Donaldson
The new types of foreign trade and exchange controls and agreements; causes, growth, and techniques. Mon., Wed., and Fri., 6:10 P.M.

- 185-86 *Economic History and Problems of South America* (3-3) Corliss
Economic development of South America (excluding Colombia and Venezuela). Particular emphasis on economic developments and problems since the First World War. 1944-45 and alternate years, Tues. and Thurs., 7:35 to 8:50 P.M.
- 187-88 *Economic History and Problems of the Caribbean Area* (3-3) Corliss
Economic development of Colombia, Venezuela, Mexico, and the Central American and West Indian republics. Particular emphasis on economic developments and problems since the First World War. 1945-46 and alternate years, Tues. and Thurs., 7:35 to 8:50 P.M.
- 190 *International Economic Reconstruction* (3) Donaldson
Survey of international economic problems in the post-war period; consideration of proposals for post-war reconstruction. Mon. and Wed., 8:10 to 9:25 P.M.
- 191-92 *Contemporary Banking, Currency, and Exchange in Latin America* (3-3) Corliss
Survey of monetary and banking developments in important Latin American republics since the First World War. (Not offered in 1944-45.)
- 193-94 *Proseminar in Hispanic American Civilization and Culture* (3-3) Corliss
Coordination and review course. Open only to candidates majoring in Hispanic American Civilization and Culture. Hours to be arranged.

THIRD GROUP

- 201-2 *History of Economic Thought* (3-3) Burns
Critical analysis and interpretation of the development and the literature of economic thought; origins and problems of the major types of theory; their relation to present problems and policies. Tues. and Thurs., 6:10 to 7:25 P.M.
- 204 *Contemporary Economic Theory* (3) Watson
Intensive analysis of the recent literature in price theory. Prerequisite: Economics 201-2. Mon., 8:10 P.M.
- 206 *Business Cycles: Theory and Problems* (3) Humphrey
Analysis of several types of current business-cycle theories; the problem of economic stagnation; recent works of Keynes and others. (Not offered in 1944-45.)
- 227 *International Finance* (3) Acheson
Studies of the monetary history and exchange problems of specific countries. (Not offered in 1944-45.)

- 242 *Labor and Social Economics* (3) Colm
Analysis of labor problems, with special reference to labor organization; intensive study of federal regulation and participation in capital-labor relations. (Not offered in 1944-45.)
- 261 *Public Finance* (3) Colm
Special problems: deficit financing; current tax problems; and federal, state, and local financial relationships. Thurs., 8:00 P.M.
- 265 *Government Control and Economic Planning* (3) Watson
Problems of government in relation to business; work of federal agencies in regulation and stimulation of business; economic theory and problems of planning. Mon., 8:10 P.M.
- 281 *Theories of International Economics* (3) Donaldson
Examination and critique of mercantilism, classical international equilibrium analysis, and other schools of world economic thought. Tues., 8:00 P.M.
- 282 *The Balance of International Payments* (3) Donaldson
Structure and theories of the balance; money and interrelationships of trade, gold flows, capital movements, etc.; the balance and foreign economic policy formulation. Tues., 8:00 P.M.
- 283-84 *Research in International Economic Relations* (3-3) Donaldson
Original investigations, analyses, and seminar discussions of special problems and concepts in world economics. (Not offered in 1944-45.)
- 285-86 *Public and Private Finance in Latin America* (3-3) Corliss
Corporate finance, banking, and capital movements in Latin America; fiscal problems; public debt, deficit financing, taxation, public expenditures; foreign-exchange controls and problems. A reading knowledge of Spanish or Portuguese is required. Wed., 8:10 P.M.
- 287-88 *Economic Problems of Latin America* (3-3) Corliss
Foreign trade and foreign commercial policy; growth of industry and agriculture; government control of economic activity; recent economic trends and problems. (Not offered in 1944-45.)
- 299-300 *Thesis* (3-3) The Staff

EDUCATION

- William Cullen French, Ph.D., *Professor of Education*
 Sidney Bartlett Hall, A.M., Ed.D., LL.D., *Professor of Education*
 James Harold Fox, A.M., Ed.D., *Professor of Education, Executive Officer*
 Chester Winfield Holmes, Ed.D., *Adjunct Professor of Education*
 Benjamin Franklin Kyker, A.M., *Adjunct Professor of Education*
 William Carson Ryan, Jr., Ph.D., Ed.D., LL.D., *Adjunct Professor of Education*
 Meredith Chester Wilson, B.S., *Adjunct Professor of Education*
 Ruth Emma Coyner, Ph.D., *Associate Professor of Education*
 Burnice Herman Jarman, A.M., Ed.D., *Associate Professor of Education*
 Jane Frost Hilder, *Lecturer in Education*
 Madaline Kinter Remmlein, Ph.D., *Lecturer in Education*
 Agnes Kerr Tweedie, A.B., Ed.M., *Lecturer in Education*
 *LuVerne Crabtree Walker, A.M., *Lecturer in Education*
 *Veryl Gladys Schult, A.M., *Lecturer in Education*

CONSULTANTS IN RESEARCH

- John Kerr Rose, Ph.D., *Research Associate in Education*
 Eugene Davis Owen, Ph.D., *Research Associate in Education*

Minimum requirements for degrees.—See pages 116–19.

SECOND GROUP

109–10 *Learning and Teaching* (3–3)

Fall term: psychological bases of teaching and learning, including emphasis upon early childhood development, adolescent growth, individual differences, and mental hygiene. Winter term: principles of teaching. Wed., 7:10 to 9:10 P.M. Conference hour: Wed., 6:10 to 7:10 P.M.

Hall

Summer term 1944—Education 109 (3).

112 *History of American Education* (3)

French

Tues. and Thurs., 6:10 to 7:25 P.M.

123–24 *Reading Problems* (3)

Hilder

A clinical approach to reading difficulties on elementary and secondary school levels. Sat., 9:10 to 11:00 A.M.

131 *Introduction to Teaching* (3)

Coyner

For students without teaching experience. Construction of units of work; questioning; assignments; discipline; records and reports. Tues. and Thurs., 6:10 to 7:25 P.M.

* On leave of absence 1944–45.

- 133-34 *Observation and Cadet Teaching** (2 to 6) Coyner
Education 134, practice-teaching fee, \$4.50 a credit hour. Hours and credits to be arranged individually.
- 136 *Teaching of English* (3) Tweedie
Specific methods for meeting the problems of the teacher of secondary school English; survey of recent professional publications in the field. Fri., 7:10 to 9:10 P.M. Conference hour: Fri., 6:10 to 7:00 P.M.
- 137 *Teaching of Geography* (3) Coyner
Role of geography in an air age; aims and objectives; organization of materials for work; critical examination of texts and other classroom equipment.
Summer term 1944.
- 138 *Teaching the Social Studies* (3) Coyner
War and post-war problems in the teaching of the social studies; aims and methods; classroom and library equipment; evaluation of textbooks; testing. Thurs., 7:30 to 9:30 P.M. Conference hour: Thurs., 6:30 to 7:30 P.M.
- 156 *Secondary Education: The Junior and Senior High School* (3) Jarman
Development; purpose; relation to elementary education; organization and administration; guidance; program of studies; community relationships, Mon., Wed., and Fri., 6:10 P.M.
Summer term 1944.
- 167 *Teaching Secretarial Training Courses* (3) Veon
New methods of teaching secretarial courses; including shorthand, typewriting, transcription, secretarial practice, and the fundamentals of business. (Not offered in 1944-45.)
- 168 *Teaching Bookkeeping and Related Skills* (3) Veon
Methods of teaching commercial arithmetic, general business, and bookkeeping. (Not offered in 1944-45.)
- 173 *Adult Education* (3) Jarman
Extent and organization; interests, needs, and capacities of adult learners; techniques employed in motivating and directing learning activities; reviews of recent literature.
Summer term 1944.

THIRD GROUP

- 205-6 *The Curriculum* (3-3) French
Analysis of basic curriculum literature and procedures. The winter term will be organized as a curriculum workshop with lectures, conferences, and group discussions. Thurs., 7:30 to 9:30 P.M. Conference hour: Thurs., 6:30 to 7:30 P.M.
Summer term 1944—Education 206 (Hall).

* May not be taken for credit by a student registered in Columbian College.

- 211 *Seminar: Twentieth Century Movements in American Education* (3) French
Historical background of twentieth century movements and leaders. Intensive study of problems of special interest. (Not offered in 1944-45.)
- 213-14 *Seminar: Origins of American Education* (3-3) French
Historical research in American Education. (Not offered in 1944-45.)
- 215-16 *Seminar: Great Teachers in American Education* (3-3) French
A study of great teachers from the colonial period to the present. An attempt will be made to find out the qualities and characteristics that have made these teachers great. Tues., 7:30 to 9:30 P.M. Conference hour: Tues., 5:00 to 6:00 P.M.
- 217-18 *Contemporary Problems in Education* (3-3) Jarman
Fall term: designed to help students formulate a personal philosophy of education. Winter term: a study of the forces that shape policies and offerings of the school. Mon., 7:10 to 9:10 P.M. Conference hour: (217) Mon., 6:10 to 7:10 P.M.; (218) Mon., 5:00 to 6:00 P.M.
Summer term 1944—Education 218 (3).
- 221-22 *Seminar: Early Childhood Education* (3-3) Coyner
Fall term: home backgrounds, nursery school, and kindergarten situations. Winter term: primary grades. Fri., 7:10 to 9:10 P.M. Conference hour: Fri., 6:10 to 7:10 P.M.
- 224 *New Developments in Children's Literature* (3) Walker
(Not offered in 1944-45.)
- 225-26 *Seminar: Elementary Education in the Intermediate Grades* (3-3) Coyner
A comprehensive study of the major problems of the intermediate grades. (Not offered in 1944-45.)
- 227 *Contemporary Movements in Elementary Education* (3) Coyner
Survey of present practices throughout the United States; trends and their changing emphases; lessons to be learned from the war.
Summer term 1944.
- 228 *Teaching Materials in the Elementary Grades* (3) Coyner
Critical examination of texts, visual and auditory aids, and other materials available to elementary school teachers. Laboratory and discussion.
Summer term 1944.
- 229-30 *Administration and Supervision of Elementary Education* (3-3) Hall
Problems of elementary school administrators and supervisors. Hours to be arranged.

- 241 *Problems in Secondary School Mathematics* (3) Schult
For experienced teachers. Discussion of teaching problems in the light of recent publications, current trends, and modern viewpoints. (Not offered in 1944-45.)
- 244 *Seminar: Problems in Secondary School Science* (3) Fox
For experienced teachers. Selection of problems will be based upon the interests and needs of the students. (Not offered in 1944-45.)
- 251 *Principles and Methods in the Senior High School* (3) Jarman
For students without teaching experience. Emphasis placed on basic principles, current issues and problems, and methods of instruction. (Not offered in 1944-45.)
- 255-56 *Seminar: Secondary Education* (3-3) Fox
For experienced teachers. A review of recent developments. Tues., 7:30 to 9:30 P.M. Conference hour: Tues., 6:30 to 7:30 P.M. Summer term 1944—Education 255 (3).
- 259-60 *Administration of Secondary Education* (3-3) Fox
Management problems, master schedule, public relations. Hours to be arranged.
- 271 *Administration: the Teacher and School Administration* (3) Fox
For teachers and prospective administrators. Organization of public education—local, state, and federal; administrative problems of concern to teachers; effective human relationships in administration. Wed., 7:10 to 9:10 P.M. Conference hour: 6:10 to 7:10 P.M. Summer term 1944.
- 272 *Supervision: the Teacher and School Supervision* (3) Fox
Aims and objectives of supervision in relation to wartime demands; personnel problems; supervisory techniques; evaluation of school efficiency. Wed., 7:10 to 9:10 P.M. Conference hour: 6:10 to 7:10 P.M.
- 273 *Administration: Organization and Administration of a School System* (3) Hall
For superintendents and those aspiring to this position. Issues, principles, and problems of the superintendency as conditioned by local circumstances. Prerequisite: Education 271 and 272 or the equivalent. Hours to be arranged.
- 274 *Administration: Management Problems of the Superintendent* (3) Hall
For superintendents and those aspiring to this position. Business management, the budget, construction of buildings, equipment and supplies, pupil transportation. Prerequisite: Education 273 or the equivalent. Hours to be arranged.

- 275 *Seminar: State School Administration* (3) Hall
 Organization, administration, supervision, instruction, and financial management of the program of public educational public relations agencies.
 Prerequisite: Education 271 or the equivalent. Hours to be arranged.
- 276 *Seminar: Public Relations in School Administration* (3) Fox
 Factors influencing public approval and disapproval; social interpretation of the program of public educational public relations agencies.
 Prerequisite: Education 271 or the equivalent. Hours to be arranged.
- 277 *Supervision of Student Teaching* (3) Coyner
 For critic teachers. Activities through which the student is introduced into teaching; duties and responsibilities of the training supervisor; evaluation of student teaching. (Not offered in 1944-45.)
- 278 *School Law* (3) Remmler
 Sources and scope of school law; legal rights and responsibilities of teachers, pupils, and taxpayers. Other legal problems of major interest to the group. Prerequisite: Education 271 or the equivalent.
 Hours to be arranged.
- 281 *Audio-visual Education* (3) Jarman
 Selection, organization, and utilization of audio-visual aids; emphasis upon demonstration and practice. Thurs., 7:30 to 9:30 P.M. Conference hour: Thurs., 6:30 to 7:30 P.M.
- 285 *Extra-classroom Activities in Secondary Schools* (3) Fox
 Victory Corps, stamp and bond drives, conservation and salvage activities, cooperative work programs, student self-government, assemblies, school publications, homeroom programs. (Not offered in 1944-45.)
- 286 *The Home Room* (3) Fox
 Functions in relation to orientation, guidance, student self-government, administrative routine, and special services. Students will assemble resource materials and plan programs for use in their local situations.
 Summer term 1944.
- 287-88 *Clinical Study of Reading Problems* (3-3) Hilder
 For advanced students. Diagnostic work under supervision in the Reading Clinic. Admission by permission of the instructor.
 11:10 A.M. to 1:00 P.M. Individual conferences to be arranged.
- 289-90 *Teacher Education* (3-3) Hall
 Historical background of teacher education; present trends and modifications in the United States. Hours to be arranged.
- 292 *Education Faces the Future* (3) Hall
 Review of the impact of the war upon education on the elementary, secondary, and adult levels; role of education in perpetuating and recreating the ideals and principles of democracy.
 Summer term 1944.

293-94 *Research (3-3)*

The Staff

Individual research under the guidance of a member of the staff. Program and conferences arranged with an instructor.

297-98 *Thesis (3-3)*

The Staff

Hours to be arranged.

Summer term 1944.

CLOSELY RELATED COURSES IN OTHER DEPARTMENTS

Art 141-42, *Teaching of Art*

Psychology 22, *Introduction to Educational Psychology*

Psychology 121, *Educational Psychology*

Psychology 129, *Educational and Vocational Guidance*

Psychology 134, *Educational and Psychological Measurements*

Psychology 221, *Seminar: Educational Psychology*

Psychology 230, *Seminar: Educational and Vocational Guidance*

Romance Languages 176, *Teaching of Romance Languages*

Sociology 121, *Educational Sociology*

Sociology 135, *Child-welfare Problems*

Statistics 103-4, *Statistics in Psychology and Education*

ELECTRICAL ENGINEERING

*Norman Bruce Ames, M.S., E.E., LL.B., *Professor of Electrical Engineering*

Forest Klaire Harris, B.S. in E.E., M.S., Ph.D., *Professorial Lecturer in Electrical Engineering*

Newbern Smith, Ph.D., *Professorial Lecturer in Electrical Engineering*

Milton Kent Akers, B.S., E.E., *Associate Professor of Electrical Engineering, Acting Executive Officer*

*Alfred Ennis, M.S., E.E., D.Eng., *Associate Professor of Electrical Engineering*

Edward Iannelli, B.E.E., *Lecturer in Electrical Engineering*

Francis Jerue Gross, B.S. in E.E., *Lecturer in Electrical Engineering*

Carl Harrison Smith, Jr., B.S. in E.E., *Associate in Electrical Engineering*

Dwight Edward Shytle, *Associate in Electrical Engineering*

Minimum requirements for the major.—See pages 101, 102-3.

Summer term 1944.—Odd-numbered courses will be offered except 125, 137.

Fall term 1944-45.—Even-numbered courses will be offered except 126, 136.

Winter term 1944-45.—Odd-numbered courses will be offered except 125, 137.

FIRST GROUP

9-10 *Elements of Electrical Engineering* (3-3) Akers

Electrical Engineering 9: magnetic and electric circuits, and direct-current instruments and machines; Electrical Engineering 10: alternating-current circuits, instruments, and machines. Prerequisite: Physics 7. Prerequisite or concurrent registration: Mathematics 20. Section A: Mon., Wed., and Fri., 12:10 P.M.; section B: Mon., Wed., and Fri., 7:10 P.M.

13-14 *Direct- and Alternating-Current Laboratory* (2-2) Shytle

For the student not majoring in electrical engineering. Experiments in direct and alternating currents and direct- and alternating-current machinery. Prerequisite: Electrical Engineering 10. Laboratory fee, \$6 a term. Section A: Mon., 1:40 P.M.; section B: Fri., 1:40 P.M.; section C: Mon., 8:10 P.M.; section D: Thurs., 8:10 P.M.; section E: Fri., 8:10 P.M.

17-18 *Direct-Current Laboratory* (2-2) Shytle

For the student majoring in electrical engineering. A course in measurements and direct-current dynamo laboratory. Prerequisite: Electrical Engineering 9-10. Laboratory fee, \$6 a term. Section A: Mon., 1:40 P.M.; section B: Fri., 1:40 P.M.; section C: Mon., 8:10 P.M.; section D: Thurs., 8:10 P.M.; section E: Fri., 8:10 P.M.

* On war leave 1944-45.

SECOND GROUP

- 101 *Electric Circuits* (3) Gross
Alternating-current-circuit theory. Extensive consideration is given to harmonic analysis and to the study of harmonics in both single-phase and polyphase circuits. Prerequisite: Electrical Engineering 10. Mon., Wed., and Fri., 6:10 P.M.
- 102 *Alternating-Current Machinery* (3) Akers
Synchronous generators and motors, transformers, and mercury arc rectifiers. Prerequisite: Electrical Engineering 101. Mon., Wed., and Fri., 6:10 P.M.
- 103 *Alternating-Current Machinery* (3) Akers
A continuation of Electrical Engineering 102. Converters, induction motors, single-phase motors, and elementary transmission and distribution of alternating currents. Prerequisite: Electrical Engineering 102. Mon., Wed., and Fri., 6:10 P.M.
- 111-12 *Electrical Measurements* (2-2) Harris
Theory of direct-current and alternating-current instruments, bridges, and meters. Prerequisite or concurrent registration; Electrical Engineering 101. Tues. and Thurs., 7:10 P.M.
- 125-26 *Principles of Electric Power Transmission* (2-2) Akers
Mechanical and electrical characteristics of transmission lines; approximate and rigorous solutions by means of hyperbolic functions; steady-state and elementary transient considerations; the more important phases of distribution of electrical energy. Prerequisite: Electrical Engineering 101. Tues. and Thurs., 7:10 P.M.
- 133-34 *Alternating-Current Laboratory* (2-2) Shytle
A continuation of Electrical Engineering 17-18, with experiments on alternating-current circuits, instruments, and machinery. Prerequisite: Electrical Engineering 18 and 103. Laboratory fee, \$6 a term. Section A: Mon., 1:40 P.M.; section B: Fri., 1:40 P.M.; section C: Mon., 8:10 P.M.; section D: Thurs., 8:10 P.M.; section E: Fri., 8:10 P.M.
- 136 *Hydro-Electric Engineering* (2) Akers
Present-day theory and practice in hydro-electric engineering. Prerequisite: Electrical Engineering 10; Civil Engineering 136. Tues. and Thurs., 6:10 P.M.
- 137 *Electric Traction* (2) Akers
Theory and practice of modern direct- and alternating-current railways. Prerequisite: Electrical Engineering 10. Tues. and Thurs., 6:10 P.M.
- 138 *Industrial Electrical Power Applications* (2) Akers
The characteristics of the various types of electrical motors and other power appliances and the principles governing their applications in industry. Prerequisite: Electrical Engineering 10 and junior standing. Mon. and Fri., 5:10 P.M.

- 140 Electrical Design (3)** Akers
Principles of design, with reference to materials of construction and electrical equipment. Practical exercises are assigned in connection with classroom work. Prerequisite: Electrical Engineering 103. Mon. and Fri., 6:10 P.M., and Tues., 8:10 P.M.
- 143-44 High-Frequency Communication (3-3)** N. Smith
Principles of high-frequency communication circuits and of radio-frequency measurement. Prerequisite: Electrical Engineering 103. Physics 132. Tues. and Thurs., 6:10 to 7:25 P.M.
- 151-52 Communication Engineering (2-2)** Iannell
Principles of communication circuits and measurements. Particular attention is given to low and intermediate-frequency phenomena. Prerequisite: Electrical Engineering, 101; Physics 132. Tues. and Thurs., 6:10 P.M.
- 153 Electronic Engineering (3)**
Theory and application of electronic tubes and circuits to radio and industrial controls. Designed expressly for electrical engineering students who do not elect the communications option and for mechanical and civil engineering students. Prerequisite: Electrical Engineering 10 and Junior standing. Tues. and Thurs., 5:45 to 7:00 P.M.
- 161-62 Communications Laboratory (2-2)** C. Smith
A laboratory course paralleling Electrical Engineering 151-52. Prerequisite or concurrent registration: Electrical Engineering 151. Tues., 8:00 to 10:30 P.M.
- 171 Advanced Electrical Laboratory (2)** Akers
Individually assigned laboratory problems. Open only to students who have shown the capacity for independent work. Prerequisite: Electrical Engineering 134. Hours to be arranged.
- 180 Advanced Electrical Design (2)** Akers
Individual problems worked out in conference with the instructor. Open only to students who have shown the capacity for independent work. Prerequisite: Electrical Engineering 140. Hours to be arranged.
- 189-90 Proseminar in Electrical Engineering (1-1)** Akers
Prerequisite: Electrical Engineering 103. Wed., 6:10 P.M.

ENGLISH

- Robert Whitney Bolwell, Ph.D., *Professor of American Literature*
 Harry Redcay Warfel, Ph.D., *Visiting Professor of American Literature*
 *Joseph Quincy Adams, Ph.D., Litt.D., *Adjunct Professor of English*
 Audley Lawrence Smith, Ph.D., *Associate Professor of English*
 Ernest Sewall Shepard, A.M., *Associate Professor of English, Executive Officer*
 ‡George Winchester Stone, Jr., Ph.D., *Associate Professor of English*
 Fred Salisbury Tupper, Ph.D., *Associate Professor of English*
 Charles William Cole, Ph.D., *Assistant Professor of English*
 Maurice Harold Irvine, Ph.D., *Assistant Professor of English*
 Katharine Rogers Adams, Ph.D., *Lecturer in English*
 Averett Howard, A.M., *Instructor in English*
 ‡William Lewis Turner, A.M., *Instructor in English*
 ‡Martin Steele Day, A.B., *Instructor in English*

The major.—The coordinated knowledge which a student must exhibit in the major in English, and upon which he will be examined at the end of his senior year, is summarized under four general headings: (1) the history of English literature from the Anglo-Saxon period to 1900; (2) the chief English writers (a certain familiarity with each man and his main works and a detailed knowledge of Shakespeare); (3) English social and political history, 1300 to 1900, as it bears upon or is reflected in the literature; (4) European intellectual backgrounds and movements which have affected English literature. It is advised that the student planning to major in English elect courses in English and European historical and intellectual backgrounds before his junior year.

The major in American Thought and Civilization.—For details, see the pamphlet on this subject and consult the adviser.

FIRST GROUP

1-2 Freshman English§ (3-3)

The Staff

Grammatical review, exercises in composition, study and criticism of prose essays. Section A: Mon., Wed., and Fri., 9:10 A.M.; section B: Tues., Thurs., and Sat., 9:10 A.M.; section C: Mon., Wed., and Fri., 10:10 A.M.; section D: Tues., Thurs., and Sat., 10:10 A.M.; section E: Mon., Wed., and Fri., 11:10 A.M.; section F: Tues., Thurs., and Sat., 11:10 A.M.; section G: Mon., Wed., and Fri., 5:10 P.M.; section H: Mon., Wed., and Fri., 6:10 P.M.; section K: Tues. and Thurs., 6:10 to 7:25 P.M.; section L: Mon., Wed., and Fri., 7:10 P.M.; section M: Mon., Wed., and Fri., 8:10 P.M.

* On leave 1944-45.

‡ On war leave 1944-45.

§ Students registered in English 1 are at the beginning of the course tested in the minimum essentials of standard usage, vocabulary, writing skill, and reading speed and comprehension. Those students who show marked superiority may be exempted from one or both terms of the course.

English 1x—same as English 1, but offered winter term. Section A: Mon., Wed., and Fri., 9:10 A.M.; section B: Tues., Thurs., and Sat., 9:10 A.M.; section C: Mon., Wed., and Fri., 10:10 A.M.; section D: Tues., Thurs., and Sat., 10:10 A.M.; section E: Mon., Wed., and Fri., 11:10 A.M.; section F: Tues., Thurs., and Sat., 11:10 A.M.; section G: Mon., Wed., and Fri., 5:10 P.M.; section H: Mon., Wed., and Fri., 6:10 P.M.; section K: Tues. and Thurs., 6:10 to 7:25 P.M.; section L: Mon., Wed., and Fri., 7:10 P.M.; section M: Mon., Wed., and Fri., 8:10 P.M.

English 2x—same as English 2, but offered fall term. Section A: Mon., Wed., and Fri., 9:10 A.M.; section B: Tues., Thurs., and Sat., 9:10 A.M.; section C: Mon., Wed., and Fri., 10:10 A.M.; section D: Tues., Thurs., and Sat., 10:10 A.M.; section E: Mon., Wed., and Fri., 11:10 A.M.; section F: Tues., Thurs., and Sat., 11:10 A.M.; section G: Mon., Wed., and Fri., 5:10 P.M.; section H: Mon., Wed., and Fri., 6:10 P.M.; section K: Tues. and Thurs., 6:10 to 7:25 P.M.; section L: Mon., Wed., and Fri., 7:10 P.M.; section M: Mon., Wed., and Fri., 8:10 P.M.

Summer term 1944.

- 3-4 *Freshman English for Foreign Students* (3-3) Rogers
A course in reading and writing designed to take the place of English 1-2. Special attention is given to spelling, syntax, grammar, idiom, and vocabulary. Tues. and Thurs., 6:10 to 7:25 P.M.

- 9 *Sophomore Composition* (3) Irvine, Howard
A study of the contemporary essay, with weekly exercises in expository writing. Prerequisite: English 1-2. Section A: Mon., Wed., and Fri., 11:10 A.M.; section B: Mon., Wed., and Fri., 6:10 P.M.; section C: Mon., Wed., and Fri., 7:10 P.M.

- 10 *Sophomore Composition* (3) Irvine, Howard
A study of the modern short story, with exercises in narrative writing. Prerequisite: English 1-2. Section A: Mon., Wed., and Fri., 11:10 A.M.; section B: Mon., Wed., and Fri., 6:10 P.M.; section C: Mon., Wed., and Fri., 7:10 P.M.

- 51-52 *Introduction to English Literature* (3-3) Smith
A historical survey. Section A: Tues., Thurs., and Sat., 10:10 A.M.; section B: Tues. and Thurs., 6:10 to 7:25 P.M.
Summer term 1944.

- 71-72 *Introduction to American Literature* (3-3) Bolwell, Cole
A historical survey. Section A: Mon., Wed., and Fri., 11:10 A.M.; section B: Mon., Wed., and Fri., 6:10 P.M.
Summer term 1944.

- 91-92 *Introduction to European Literature* (3-3) Shepard
Consideration of various types. Section A: Tues., Thurs., and Sat., 9:10 A.M.; section B: Mon., Wed., and Fri., 7:10 P.M.
Summer term 1944.

SECOND GROUP

- 115-16 *The Short Story* (3-3) Irvine
Some study of the technique of the short story and class criticism of student writing. Prerequisite: English 10 with honor grade, or consent of the instructor after submission of a specimen of imaginative writing. Mon., Wed., and Fri., 5:10 P.M.
- 121-22 *English Literature from the Beginnings to 1400* (3-3) Howard
Prerequisite: English 51-52, 71-72, or 91-92. Tues. and Thurs., 6:10 to 7:25 P.M.
- 123-24 *Old English* (3-3) Stone
English language and literature before 1100. Prerequisite: English 51-52, 71-72, or 91-92. (Not offered in 1944-45.)
- 125 *The Evolution of Modern Speech* (2) Stone
The development of the English language in a historical treatment of English grammar. (Not offered in 1944-45.)
- 129-30 *Renaissance and Elizabethan Literature* (3-3) Tupper
Nondramatic literature from 1400 to 1603. Prerequisite: English 51-52, 71-72, or 91-92. (English 129 not offered in 1944-45.)
English 130X—same as English 130, but offered fall term, Mon., Wed., and Fri., 6:10 P.M.
Summer term 1944—English 129 (3).
- 135-36 *Shakespeare* (3-3) Tupper
Prerequisite: English 51-52, 71-72, or 91-92. Mon., Wed., and Fri., 9:10 A.M.
Summer term 1944—English 135 (3).
- 139-40 *The Seventeenth Century* (3-3) Irvine
English Literature from 1603 to 1660. Prerequisite: English 51-52, 71-72, or 91-92. Mon., Wed., and Fri., 9:10 A.M. (English 139 not offered in 1944-45.)
- 141-42 *The Neoclassical Movement* (3-3) Smith
Poetry and prose from 1660 through the mid-eighteenth century. Prerequisite: English 51-52, 71-72, or 91-92. Mon., Wed., and Fri., 7:10 P.M.
- 151-52 *The Romantic Movement* (3-3) Smith
From the mid-eighteenth century through Shelley and Keats. Prerequisite: English 51-52, 71-72, or 91-92.
Summer term 1944.
- 161-62 *Victorian Literature* (3-3) Shepard
Poetry and prose from 1830 to 1890. Prerequisite: English 51-52, 71-72, or 91-92. Tues., Thurs., and Sat., 10:10 A.M.
Summer term 1944—English 162 (3).

- 167 *Contemporary American Drama and Fiction* (3) Bolwell
Summer term 1944.
- 171-72 *Studies in American Literature* (3-3) Bolwell, Cole
Major factors in the national cultural tradition as shown by outstanding writers. Prerequisites: English 51-52 or 71-72. Mon., Wed., and Fri., 7:10 P.M.
Summer term 1944—English 172 (3).
- 175 *The American Drama* (3) Bolwell
From the colonial period to the present day. Prerequisite: English 51-52 or 71-72. Mon., Wed., and Fri., 11:10 A.M.
- 176 *The American Novel* (3) Cole
Chronological development of fiction from the beginnings to the present day. Mon., Wed., and Fri., 11:10 A.M.
- 177-78 *Recent American Literature* (3-3) Bolwell, Cole
Modern trends and significant writers since the 1920's. Fall term: criticism and poetry; winter term: fiction and drama (including motion pictures). Prerequisite: English 51-52, 71-72, or History 71-72. Tues. and Thurs., 6:10 to 7:25 P.M.
Summer term 1944—English 177 (3): *The American Short Story* (Warfel).
- 179-80 *Proseminar: Readings for American Civilization Major* (3-3) Bolwell, Cole
Conferences and group discussions. Wed., 8:00 P.M.
- 181 *The English Novel* (3) Smith
Major English novelists from Richardson to the Brontës. Prerequisite: English 51-52, 71-72, or 91-92. Mon., Wed., and Fri., 6:10 P.M.
- 182 *The English Novel* (3) Shepard
Major English novelists from Dickens to Hardy. Prerequisite: English 51-52, 71-72, or 91-92. Mon., Wed., and Fri., 6:10 P.M.
- 183x-84 *The English Drama* (3-3) Tupper
A historical survey. Mon., Wed., and Fri., 5:10 P.M. (English 184 not offered in 1944-45.)
- 199-200 *Proseminar: Readings for the English Literature Major* (3-3) Tupper
Conferences and group discussions. Section A: Tues., 1:00 to 4:00 P.M.; section B: Thurs., 7:30 to 10:30 P.M.

THIRD GROUP

- 201-2 *Methods and Materials in Elizabethan Research* (3-3) J. Q. Adams
Open only to the graduate student. Admission by permission of the instructor. (Not offered in 1944-45.)

- 235-36 *Seminar in Shakespeare* (3-3) Tupper
Prerequisite: English 135-36. Hours to be arranged.
- 241-42 *Studies in Neoclassical Literature* (3-3) Smith
Prerequisite: English 141-42. (Not offered in 1944-45.)
- 251-52 *Studies in the Romantic Movement* (3-3) Smith
Prerequisite: English 151-52. Hours to be arranged.
- 271-72 *Seminar: American Literature* (3-3) Bolwell
Prerequisite: English 171-72 or the equivalent. Mon., 8:00 P.M.
- 295-96 *History of English Literary Criticism* (3-3) Smith
Open to the undergraduate with the approval of the instructor. (Not offered in 1944-45.)
- 299-300 *Thesis* (3-3) The Staff

RELATED COURSE IN ANOTHER DEPARTMENT

Education 136, *Teaching of English*

GEOLOGY

_____, *Assistant Professor of Geology*

Minimum requirements for the major.—Twenty-four credit hours of geology beyond the first-group courses.

FIRST GROUP

5 *Field Geology* (6)

Field trips to neighboring localities of geological interest, with classroom study. (Not offered in 1944-45.)

21-22 *Physical and Historical Geology* (3-3)

Survey course covering the principles of physiography, geology, and mineralogy. (Not offered in 1944-45.)

SECOND GROUP

121-22 *Paleontology* (3-3)

Lectures and laboratory work on classification and structure of fossil invertebrates, vertebrates, and plants, including their use as guide fossils in stratigraphic geology. (Not offered in 1944-45.)

123-24 *Regional Geology of North and South America* (3-3)

Lectures and map work on the physiographic regions of the Western Hemisphere, stressing the relationship between geology and geography and culture. (Not offered in 1944-45.)

125-26 *Regional Geology of the Eastern Hemisphere* (3-3)

Alternating with Geology 123-24 and with it completing a survey of the world. (Not offered in 1944-45.)

THIRD GROUP

215-16 *Seminar* (3-3)

Detailed study and presentation by the class and instructor of some phase of geology with review of current literature. (Not offered in 1944-45.)

27 -28 *Research*

Original work on individual problems, including a digest of the published record. (Not offered in 1944-45.)

299-300 *Thesis* (3-3)

(Not offered in 1944-45.)

GERMANIC LANGUAGES AND LITERATURES

Edward Henry Sehrt, Ph.D., *Professor of German, Executive Officer*
 Gretchen Louisa Rogers, Ph.D., *Assistant Professor of German*
 Wolfram Karl Legner, Ph.D., *Assistant Professor of German*

Minimum requirements for the major.—Twenty-four credit hours of German beyond first-group courses.

FIRST GROUP

- †1-2 *First-year German* (3-3) Rogers, Legner
 The essentials of German grammar; translation of easy prose. Section A: Mon., Wed., and Fri., 10:10 A.M.; section B: Tues. and Thurs., 11:10 A.M. to 12:25 P.M.; section C: Mon., Wed., and Fri., 6:10 P.M.; section D: Mon., Wed., and Fri., 7:10 P.M.
 German 2x—same as German 2, but offered fall term, Tues. and Thurs., 6:10 to 7:25 P.M.
 Summer term 1944.

- †5-6 *Second-year German* (3-3) Rogers, Legner
 Selections from modern German prose; review of grammar. Prerequisite: German 1-2 or two years of high school German. Section A: Tues., Thurs., and Sat., 9:10 A.M.; section B: Mon., Wed., and Fri., 7:10 P.M.
 Summer term 1944.

SECOND GROUP

- †101-2 *Rapid Readings in Modern German Prose* (3-3) Sehrt and Staff
 Section A: Tues., Thurs., and Sat., 10:10 A.M.; section B: Mon., Tues., and Wed., 8:10 P.M.
- †103-4 *Goethe's "Faust"* (3-3) Sehrt
 Mon., Wed., and Fri., 7:10 P.M.
- †105-6 *German Classicism* (3-3) Sehrt
 Particularly the works of Goethe and Schiller. Hours to be arranged.
- †107-8 *Advanced Prose Composition* (1-1) Rogers
 Section A: Sat., 10:10 A.M.; section B: Tues., 8:10 P.M.
- 109-10 *German Drama since 1800* (3-3) Sehrt
 Dramas of Kleist, Grillparzer, Hebbel, and Hauptmann. Hours to be arranged.
- †111-12 *The German Romantic Movement* (3-3) Sehrt
 Hours to be arranged.

- †113-14 *Scientific German* (1-1) Legner
Prerequisite: German 5-6 or the equivalent. Fri., 8:10 P.M.
- †119-20 *Survey of German Literature* (3-3) Sehrt
Hours to be arranged.
- †121-22 *Conversation and Composition* (3-3) Rogers
Prerequisite: German 5-6 or the equivalent. Mon., Wed., and Fri.
8:10 P.M.
- 124 *Military German* (3) Legner
Prerequisite: German 5-6 or the equivalent. Mon. and Wed., 8:10
to 9:25 P.M.

THIRD GROUP

- †201-2 *Middle High German* (3-3) Sehrt
Hours to be arranged.
- †205-6 *Gothic* (3-3) Sehrt
Introduction to the comparative study of the Germanic languages.
Hours to be arranged.
- †209-10 *Old High German* (3-3) Sehrt
Hours to be arranged.
- 213-14 *Old Norse* (3-3) Sehrt
Hours to be arranged.
- 215 *The German "Novelle"* (3) Rogers
Hours to be arranged.
- 218 *The German Lyric from Opitz to Rilke* (3) Legner
Hours to be arranged.
- 221 *Introduction to Linguistics* Sehrt
Admission by permission of the instructor. Hours and credits to be
arranged.
- 222 *Indo-European Languages* Sehrt
Application of the laws of sound change in language; origin and de-
velopment of suffixes and inflections; syntax. Hours and credits to be
arranged.
- †223-24 *Sanskrit* (3-3) Sehrt
Introduction to comparative Indo-European grammar. Hours to be
arranged.
- 299-300 *Thesis* (3-3) The Staff

HEALTH ADMINISTRATION

*Daniel LeRay Borden, A.M., M.D., *University Surgeon, Director*
Benjamin Franklin Dean, Jr., M.S., M.D., *University Surgeon, Acting Director*

Frank Adelbert Hornaday, M.S., M.D., *Consulting University Physician*
Robert Howe Harmon, A.B., M.D., *University Physician*
Ronald Atmore Cox, A.B., M.D., *Associate University Physician (Eye)*
Jeter Carroll Bradley, M.D., *Associate University Physician (Nose and Throat)*

*Charles Seymour Coakley, M.D., *Associate University Physician*
*Richard Bernard Castell, A.B., M.D., *Associate University Physician*
Elizabeth Kahler, A.M., M.D., *Associate University Physician*
Harold Heiges, A.B., M.D., *Associate University Physician*
William Duvall Claudy, A.B., M.D., *Associate University Physician*

The payment of the University fee entitles the student to health services hereinafter described. Through student reports and those of University officials, the University attempts to keep informed as to all cases of illness among its students. This service is primarily diagnostic in its intent. It also provides first aid in the event of an emergency.

Medical privileges include: (1) the physical examination of every student entering from secondary school;† (2) three visits by the University physician or surgeon, office or residence (District of Columbia) in any one illness, exclusive of a specialist, surgical operation, laboratory, or X-ray examination; (3) hospitalization, including board, medicine, and nursing in the University Hospital for not more than two weeks during a school year—the necessity to be determined by the Director of Health Administration. The duration of hospitalization period (maximum, two weeks) is also to be determined by the Director of Health Administration.

This medical benefit does not apply to illness or disability incurred previous to the University term or prior to payment of the University registration fee.

The student is allowed, if he so desires, to engage physicians and nurses of his own choice, but when he does so he will be responsible for the fees charged.

Rules: (1) The Director of Health Administration is empowered to limit or deny the medical benefits where, in his discretion, a student has, by his misconduct or breach of the rules of the University, made himself ineligible; (2) the Director of Health Administration has authority to determine the necessity and length of hospitalization; (3) a student who has severed his connection with the University is ineligible for medical benefits; (4) a student intending to train for an athletic team is required to pass a thorough examination at the beginning of each term; (5) the above regulations apply also during the summer term of the University.

The University is not responsible for injuries received in inter-collegiate or intra-mural games, or in any of the activities of the physical education departments.

* On war leave 1944-45.

† A charge of \$2 is made by the University if a student fails to appear for a physical examination during the period set for this purpose.

HISTORY

Elmer Louis Kayser, Ph.D., *Professor of European History, Acting Executive Officer*

Lowell Ragatz, Ph.D., *Professor of European History*

Alva Curtis Wilgus, Ph.D., *Professor of Hispanic American History*

*Wood Gray, Ph.D., *Professor of American History*

*Howard Maxwell Merriman, Ph.D., *Associate Professor of American Diplomatic History*

George Howland Cox, *Lecturer on Hispanic American History*

Robert Francis Campbell, A.M., *Associate in American History*

The major.—Candidates for the major in history may follow the old plan or the new plan in fulfillment of their requirements.

The old-type major.—Prerequisite: History 39-40 and 71-72. Required: twenty-four credit hours of second- and third-group courses including one six-hour seminar. Recommended in addition: Introductory Economics, International Law and History of Philosophy.

The new-type major.—Prerequisite: History 39-40 and 71-72. The new-type major indicates a knowledge of four fields of history selected from the following list, attested by major examinations: (1) the literature and method of history (required); (2) backgrounds of the modern world, to 1500; (3) modern and contemporary Europe; (4) diplomatic history and modern imperialism; (5) development of the United States; (6) Hispanic American civilization. A six-hour research seminar, exclusive of History 199-200, is a required part of each major's program to give training in fundamental techniques. For details of courses and readings offering preparation for the major examinations see the pamphlet on this subject or consult the adviser.

FIRST GROUP

39-40 *The Development of European Civilization (3-3)*

Primarily for freshmen. Fall term: the political, social, economic and cultural history of the Old World from ancient times to 1500; winter term: from 1500 to the present. Section A: Mon., Wed., and Fri., 9:10 A.M.; section B: Mon., Wed., and Fri., 6:10 P.M.

Summer term 1944.

Kayser, Ragatz

71-72 *The Development of American Civilization (3-3)*

Primarily for sophomores. Fall term: the political, social, economic and cultural forces of the United States in their world setting from 1492 to 1865; winter term: from 1865 to the present. Section A: Mon., Wed., and Fri., 9:10 A.M.; section B: Mon., Wed., and Fri., 7:10 P.M.

Summer term 1944.

Campbell

* On war leave 1944-45.

SECOND GROUP

- 120 *Intellectual Aspects of the Renaissance and the Reformation* (3) Kayser
Aspects of the development of the modern mind approached through a study of the lives and contributions of outstanding personalities of the period. Prerequisite: History 39-40. (Not offered in 1944-45.)
- 130 *Nationalism* (3) Kayser
The historical evolution of modern nationalism. Prerequisite: History 39-40. Mon., Wed., and Fri., 9:10 A.M.
- 141 *Africa and Europe in the Nineteenth and Twentieth Centuries* (3) Ragatz
Tues. and Thurs., 6:10 to 7:25 P.M.
- 142 *Asia and the Western World in the Nineteenth and Twentieth Centuries* (3) Ragatz
Tues. and Thurs., 6:10 to 7:25 P.M.
- 143 *Modern Europe, 1815-1914* (3) Ragatz
A comprehensive survey of Old World history from the Congress of Vienna to the outbreak of the First World War. Prerequisite: History 39-40 or 151-52. (Not offered in 1944-45.)
- 144 *Europe since 1914* (3) Ragatz
The First World War and its aftermath. Prerequisite: History 39-40 or 151-52. (Not offered in 1944-45.)
- 145 *International Relations 1919-1945* (3) Ragatz
Mon., Wed., and Fri., 6:10 P.M.
- 147 *Economic History of Europe* (3) Ragatz
A survey from ancient times to the present day. Prerequisite: History 39-40 or 151-52. Mon., Wed., and Fri., 11:10 A.M.
- 148 *The Second World War and Reconstruction* (3) Ragatz
Summer term 1944.
- 149 *European Diplomatic History* (3) Kayser
Summer term 1944.
- 151-52 *English History* (3-3) Kayser
A general survey course. Mon., Wed., and Fri., 10:10 A.M.
- 161-62 *Hispanic American Civilization* (3-3) Wilgus
A survey of political, economic, social, and institutional affairs of the Ibero-American colonies (fall term) and the period since independence (winter term). Mon., Wed., and Fri., 6:10 P.M.
- 163 *Pan American Problems* (3) Wilgus
Mon., Wed., and Fri., 10:10 A.M.
- 164 *The United States and Latin America* (3) Wilgus
Mon., Wed., and Fri., 10:10 A.M.

167-68 *Latin American and Inter-American Problems*
(2-2)

Lectures on social, educational, political, and commercial affairs of the Americas. Open to the public as auditors without credit. Prerequisite: 167 for students taking 168 in the winter term. Sponsored by the Inter-American Center. Tues., 3:10 to 5:00 P.M.

171-72 *Social History of the United States* (3-3)

Daily life, institutions, intellectual and artistic achievements. Fall term: the Agrarian Era, 1607-1861; winter term: the Urban-Industrial Era, 1861 to the present time. Prerequisite: History 71-72. (Not offered in 1944-45.)

174 *Economic History of the United States* (3)

Main trends in the development of American agriculture, industry, and trade since 1607, with emphasis on tendencies and problems since the Civil War. Prerequisite: History 71-72. Summer term 1944.

181-82 *Diplomatic History of the United States*
(3-3)

Tendencies toward isolation, expansion, and collectivism; disputes with foreign countries and their settlement; and the activities of the American secretaries of state and diplomatic agents. Fall term: to the Civil War; winter term: since the Civil War. Prerequisite: History 71-72. Mon., Wed., and Fri., 6:10 P.M.

191-92 *Current History* (1-1)

Contemporary events in their world setting. Section A: Sat., 11:10 A.M.; section B: Mon., 8:10 P.M. Summer term 1944.

199-200 *Proseminar: The Literature and Method of History* (3-3)

Limited to majors in history. Fall term: history and historians; winter term: supervised reading in preparation for the major examinations. (Not offered in 1944-45.)

THIRD GROUP

241-42 *Seminar in Modern European History* (3-3)

International conferences in the 19th and 20th centuries. Prerequisite: History 39-40 or 151-52 and instructor's approval. Thurs., 8:00 to 10:00 P.M.

261-62 *Hispanic American Historiography* (3-3)

Hours to be arranged.

281-82 *Seminar in the History of the Americas* (3-3)

Prerequisite: History 71-72 and instructor's approval. Mon., 8:00 to 10:00 P.M.

291-92 *Seminar* (3-3)

The Staff

Prerequisite: approval of the Department. Hours to be arranged.

299-300 *Thesis* (3-3)

The Staff

Required of all candidates for the Master's degree specializing in history.

HOME ECONOMICS

Frances Kirkpatrick, A.M., *Associate Professor of Home Economics*
Executive Officer

Kathryn Mildred Towne, A.M., *Associate Professor of Home Economics*

Margaret Olive Osborn, M.S., *Instructor in Home Economics*

Minimum requirements for the degree.—See page 117.

FIRST GROUP

- 1 *Food Selection and Preparation* (3) Kirkpatrick
 Composition, selection, and preparation of food; analysis of recipes; standard products; planning, preparing, serving, and estimating the cost of meals. Material fee, \$10.00. Section A: Mon. and Wed., 1:40 to 4:30 P.M.; section B: Tues. and Thurs., 1:40 to 4:30 P.M.
 Home Economics 1x—same as Home Economics 1, but offered winter term, Tues. and Thurs., 6:10 to 9:00 P.M.
- 3 *Nutrition and Its Relation to Health* (3) Osborn
 Open to men and women. Nutritional requirements and the relation of foods to the maintenance and promotion of health; the factors which influence the nutritive value of foods and the recent trends in dietary habits. Mon., Wed., and Fri., 6:10 P.M.
- 11 *Clothing: Its Selection, Cost, and Care* (3) Towne
 Clothing selection—the economic, aesthetic, and hygienic aspects; the application of the principles of color and design to individual selection; the care of clothing. Mon., Wed., and Fri., 10:10 A.M.
- 24 *Consumer Problems Arising Out of the War* (3) Towne
 Open to men and women. Adjustment of expenditures to current incomes; post-war family living conditions. Mon. and Wed., 7:10 to 8:35 P.M.
- 51 *Family Meals* (3) Kirkpatrick
 The choice, purchase, preparation, and service of foods; dietary standards, food habits, and the nutritional needs of the family; problems of purchasing, care, and use of food by the consumer. Material fee \$6.00. Mon. and Wed., 11:10 A.M. Laboratory—Fri., 11:10 A.M. to 1:00 P.M.
- 52 *Food Problems* (3) Kirkpatrick
 Factors affecting the preparation of standard products from the experimental viewpoint; principles of food demonstrations. Material fee \$10.00. (Not offered in 1944-45.)
- 54 *Family Health and Household Sanitation* (3) Kirkpatrick
 Home hygiene and home care of the sick; the principles of household sanitation in relation to health and disease. Material fee \$3.00. (Not offered in 1944-45.)

- 62 *Clothing Construction* (3) Towne
Techniques of construction suitable for cotton, wool, and rayon fabrics; the use of commercial patterns and their alteration; the proper selection of color, design, and fabric. Material fee, \$3.00. Tues. and Thurs., 1:40 to 4:30 P.M.
Home Economics 62x—same as Home Economics 62, but offered fall term, Tues. and Thurs., 6:10 to 9:00 P.M.
- 71 *Costume Design and Fashion Economics* (3) Towne
Factors determining fashions and effect on cost of clothing; problems of the consumer of textiles and clothing; historic costume and its relation to modern dress. Material fee, \$3.00. (Not offered in 1944-45.)
- 72 *Household Textiles* (3) Towne
Properties, uses, and tests of the different textile fibers and fabrics, and development of judgment and knowledge of standard for the consumer of clothing and house-furnishing material. Material fee, \$3.00. Mon. and Wed., 1:40 to 3:30 P.M.

SECOND GROUP

- 102 *Advanced Food Preparation* (3) Kirkpatrick
The application of the fundamental processes of food preparation to a wider range of food materials and various services for different occasions. Material fee, \$10.00. Mon. and Wed., 6:10 to 9:00 P.M.
- 123 *Household Finance and Problems of the Consumer* (3) Towne
Economic problems of the family in modern industrial society; family income; income apportionment and household expenditures; laws affecting the home; investments; consumer buying. Tues. and Thurs., 11:10 A.M. to 12:30 P.M.
- 143 *Advanced Clothing Construction* (3) Towne
Problems of clothing construction, including renovation, flat pattern designing. Material fee, \$3.00. (Not offered in 1944-45.)
- 152 *Nutrition and Dietetics* (3) Kirkpatrick
Principles of normal and abnormal human nutrition; calculation and preparation of dietaries. Material fee, \$3.00. Mon and Wed., 11:10 A.M. Laboratory—Fri., 11:10 A.M. to 1:00 P.M.
- 164 *Child Nutrition* (3) Kirkpatrick
Basic principles in nutrition and growth of the infant, pre-school, and adolescent child in health and disease. (Not offered in 1944-45.)
- 168 *Institutional Management* (3) Kirkpatrick
Study of the organization, equipment, and marketing problems of institutions. Tues. and Thurs., 1:40 to 3:30 P.M.
- 171 *House Furnishing* (3) Towne
Home planning from the historic, artistic, economic, and sanitary viewpoints; home furnishings such as linens, dishes, floor covering, mattresses, etc. Material fee, \$3.00. Mon. and Wed., 1:40 to 3:30 P.M.

192x *The Home, Its Management and Equipment* (3)

Kirkpatrick

Economical management of the home; distribution of time and energy; problems in the selection, arrangement and care of equipment. Tues. and Thurs., 6:10 to 7:35 P.M.

195-96 *Special Problems* (3-3)

The Staff

Individual investigation or study under the guidance of a member of the staff. Suggested problems are: home economics education, marketing, tailoring, and draping. Program and conferences arranged with an instructor.

197-98 *Proseminar* (3-3)

The Staff

The study of the most recent materials and problems in the various phases of home economics. Wed., 7:10 to 9:00 P.M.

SPECIAL PROGRAM OF INTENSIVE COURSES FOR NAVY NURSES

Review of Biochemistry (2); Quantity Cookery (3); Review of Physiology (2); Institutional Management (3); Food Selection (3); Food Sanitation (3); Food Preparation (3); Diet Therapy (4); Meal Planning and Service (3); Special Diet Preparation (3); Nutrition (3).

Kirkpatrick, Towne, Osborn

JOURNALISM

*John William Thompson, Jr., A.B., *Lecturer in Journalism*

†Merlo John Pusey, A.B., *Lecturer in Journalism*

FIRST GROUP

- 11-12 *Journalism Survey* (3-3)
History of journalism; survey of character and content of leading newspapers to develop intelligent reading necessary for future work in journalism; practice in news writing. Laboratory fee, \$3 a term. (Not offered in 1944-45.)

SECOND GROUP

- 111-12 *Reporting* (3-3)
Techniques of newspaper reporting and copy reading; instruction and practice in modern methods of gathering and presenting news. Prerequisite: Journalism 11-12 or the equivalent. Laboratory fee, \$3 a term. (Not offered in 1944-45.)
- 113-14 *Reporting of National and International Affairs* (3-3)
Training in the coverage and presentation of national and international news; special consideration of the qualifications necessary for Washington correspondence and press-association reporting. Prerequisite: Journalism 111-12 or the equivalent. Laboratory fee, \$3 a term. (Not offered in 1944-45.)
- 121-22 *Feature Writing* (3-3)
Instruction and practice in the writing of special feature articles, material for which is obtained through independent investigation. Prerequisite: Journalism 11-12 or the equivalent. (Not offered in 1944-45.)
- 141-42 *Advertising* (3-3)
The objectives and methods of advertising from its beginning to the present; training in the writing and selling of advertising as practiced in newspaper, magazine, radio, and other fields. (Not offered in 1944-45.)
- 151-52 *Editorial Writing* (3-3)
Current events from the standpoint of editorial interpretation; editorial research methods; instruction and practice in the writing of editorials, and columns on public affairs. Prerequisite: Journalism 111-12 or the equivalent. (Not offered in 1944-45.)

* On war leave 1944-45.

† On leave of absence 1944-45.

LAW

William Cabell Van Vleck, A.B., LL.B., S.J.D., *Professor of Law*
Executive Officer

Charles Sager Collier, A.B., LL.B., S.J.D., *Professor of Law*

Hector Galloway Spaulding, B.S., LL.B., S.J.D., *Professor of Law*

*William Thomas Fryer, A.B., LL.B., J.D., *Professor of Law*

Saul Chesterfield Oppenheim, A.M., J.D., S.J.D., *Professor of Law*

*Carville Dickinson Benson, A.B., LL.B., S.J.D., *Professor of Law*

Thomas Armitage Larremore, A.M., LL.B., M.S. in Mus., *Visiting Professor of Law*

Earl Caspar Arnold, A.B., LL.B., LL.D., *Visiting Professor of Law*

Millard Breckenridge, Ph.B., LL.B., *Visiting Professor of Law*

Loyd Hall Sutton, B.S., LL.B., *Adjunct Professor of Law*

Spencer Gordon, A.B., LL.B., *Adjunct Professor of Law*

Conway Peyton Coe, A.B., LL.B., *Adjunct Professor of Law*

Levi Russell Alden, A.M., LL.B., *Adjunct Professor of Law*

George Bowdoin Craighill, A.B., LL.B., *Adjunct Professor of Law*

James Ward Morris, A.B., *Adjunct Professor of Law*

James Oliver Murdock, Ph.B., LL.B., *Adjunct Professor of Law*

*James Forrester Davison, A.B., LL.M., S.J.D., *Associate Professor of Law*

*John Albert McIntire, A.B., LL.B., *Associate Professor of Law*

*William Randall Compton, M.B.A., LL.B., J.S.D., *Associate Professor of Law*

*Chester Charles Ward, B.S., LL.M., *Associate Professor of Law*

‡Clarence Altha Miller, LL.M., *Lecturer in Law*

James Robert Kirkland, A.B., LL.M., *Lecturer in Law*

*James Albert Pike, A.B., LL.B., J.S.D., *Lecturer in Law*

Justin Lincoln Edgerton, A.B., LL.B., *Lecturer in Law, Clerk of the*

Moot Court

William Leigh Ellis, A.B., LL.M., *Lecturer in Law*

101 *Agency* (4)

Problems of agency in the conduct of business. Breckenridge
Steffen, Cases on

Summer term 1944.

105 *Civil Procedure* (4)

Function and composition of pleadings, including their relation to proof. Emphasis is upon reforms, as exemplified by modern code provisions and the Federal Rules of Civil Procedure. Larremore
Clark, Cases on

Pleading and Procedure, 2d ed. Mon. and Thurs., 6:20 to 8:20 p.m.

* On war leave 1944-45.

‡ On leave of absence 1944-45.

- 111 *Contracts* (4) Spaulding
 Promissory obligation; offer and acceptance, consideration, statute of frauds, formal instruments, rights of third parties, assignments, and joint obligations. Williston, *Cases on Contracts*, 4th ed. Section A: Tues. and Thurs., 10:00 to 11:50 A.M.; section B: Mon. and Thurs., 6:20 to 8:00 P.M.

Summer term 1944.

- 123-24 *Criminal Law and Procedure* (2-2) Kirkland
 Elements of criminal liability; specific crimes; combinations of persons in crime; criminal procedure. Harno, *Cases and Materials*. Wed., 6:20 to 8:00 P.M.

- 129 *Judicial Process* (4)
 (Not offered in 1944-45.)

- 134 *Property I* (4)
 Concepts of property, possession and ownership, and of legal relations with respect to chattels and documentary intangibles created by gift, sale, pledge, lien, bailment, etc. Fraser, *Cases on Property*, Vol. II; Fryer, *Readings on Personal Property*, 3d ed. Section A: Mon. and Wed., 10:00 to 11:50 A.M.; section B: Tues. and Fri., 6:20 to 8:00 P.M.

- 138 *Property II* (4) Spaulding
 Real property; introduction; estates, seisin, landlord and tenant; future interests at common law and under the statutes of uses and wills; merger; elementary study of remoteness and powers; adverse possession; prescription; natural rights. Kirkwood, *Cases on Property*. Mon. and Thurs., 6:20 to 8:00 P.M.

- 141 *Torts* (2) Van Vleck
 Civil liability for harms to legally protected interests. Thurston and Seavey, *Cases on Torts*. Section A: Mon. and Wed., 10:00 to 11:50 A.M.; section B: Tues. and Fri., 6:20 to 8:00 P.M.

- 143 *Constitutional Law I* (4) Collier
 Historical introduction; judicial approach and methods; doctrine of the separation of powers; powers of the National Government; the federal system; relation of the state courts and the federal courts. Dodd, *Cases on Constitutional Law*, 3d ed. Section A: Tues. and Thurs., 10:00 to 11:50 A.M.; section B: Mon. and Thurs., 6:20 to 8:00 P.M.

- 231 *Equity* (4) Spaulding
 Specific performance of contracts; equitable conversion; statute of frauds; mutuality; conditions; defenses; equitable servitudes; powers of an equity court; effect of decrees. Cook, *Cases on Equity*, 1 volume 3d ed. Tues. and Fri., 6:20 to 8:00 P.M.

- 241 *Property III* (2)
 Conveyances, rents, easements, profits, licenses, covenants running with the land, and recording. (Not offered in 1944-45.)

- 242 *Evidence* (4)
 Functions of court and jury; witnesses; hearsay, opinion, and circumstantial evidence; proof of authenticity; and contents of writings.

- Morgan and Maguire, Cases on Evidence, 2d ed. Mon. and Thurs. 6:20 to 8:00 P.M.
- 246 *Negotiable Instruments* (4) Oppenheim
Bills of exchange, promissory notes and checks, especially under the Negotiable Instruments Law. Britton, Cases on Negotiable Instruments. Tues. and Fri., 6:20 to 8:00 P.M.
Summer term 1944.
- 251 *Quasi Contracts* (2)
Legal remedies for restitution of benefits obtained or conferred by performance of contract, misrepresentation, mistake, and coercion. Thurston, Cases on Restitution. (Not offered in 1944-45.)
- 254 *Wills* (2)
Formation and revocation of wills; testate and intestate succession. (Not offered in 1944-45.)
- 262 *Security Transactions* (4) Arnold
Security interests in real and personal property, their creation, transfer, enforcement, and extinguishment, together with security problems in the fields of suretyship and bankruptcy.
Summer term 1944.
- 304 *Administrative Law I* (4) Collier
Legislative setting for administrative bodies; judicial control of administrative action, public utilities, taxation, alien laws. Federal Trade Commission, workmen's compensation, etc. Frankfurter and Davidson, Cases on Administrative Law. Section A: Tues. and Thurs., 10:00 to 11:50 A.M.; section B: Mon. and Thurs., 6:20 to 8:00 P.M.
- 312 *Business Associations I* (4) Spaulding
Forms of business associations; legal requirements as to contributions of capital; powers and rights of corporations, corporate officials, and shareholders. Frey, Cases on Business Associations. Tues. and Fri., 6:20 to 8:00 P.M.
- 316 *Conflict of Laws* (4) Van Vleck
Study of cases involving foreign elements; principles of jurisdiction and limitations upon its exercise; procedure, torts, workmen's compensation, contracts, property, family law, administration of estates, business associations. Cheatham, Dowling, Goodrich, and Griswold, Cases on Conflict of Laws, 2d ed. Section A: Mon. and Wed., 10:00 to 11:50 A.M.; section B: Tues. and Fri., 6:20 to 8:00 P.M.
Summer term 1944.
- 321-22 *Current Decisions* (2-2) Oppenheim
Required of, and limited to, members of the student staff of the Law Review.
- 326 *Federal Jurisdiction* (2) Collier
Constitutional origins and powers of federal courts; sources of law applicable to them; business and extent of jurisdiction of federal courts. Case book to be announced. Wed., 6:20 to 8:00 P.M.

- 331 *Labor Law* (2) Larremore
 Legality of collective labor action, of ends sought and means used; strike, picketing, boycott, trade agreements; labor injunctions; scope of federal jurisdiction. Landis, Cases on Labor Law. Wed., 6:20 to 8:00 P.M.
- 333 *Legislation* (2)
 A study of the problems and principles of legislation. (Not offered in 1944-45.)
- 335-36 *Moot Court* (2-2) Gordon, Craighill, Morris, Edgerton
 Open only to students who have completed fifty credit hours. Prerequisite: Law 105 and 242. Wed., 6:20 to 8:00 P.M.
- 345-46 *Patent Law* (2-2) Sutton
 Substantive patent law; patentability; revision, use, and enforcement of patents; Patent Office practice: Rules of Practice; appeal and interference procedure. Mon., 6:20 to 8:00 P.M.
- 349 *Patent Moot Court* (4) Coe
 This course may be elected instead of Law 335-36 to satisfy the Moot Court requirement. Both subjects may not be counted toward a degree. Wed., 6:20 to 8:00 P.M.
- 351 *Public Utilities* (2) Collier
 Limits of regulation of businesses affected with public interest; ascertainment of value of property used for the public service and the fixing of adequate rates of return.
 Summer term 1944.
- 353 *Domestic Relations* (2) Larremore
 Marriage, annulment, and divorce; rights of husband and wife; rights of parent and child; infants; conflict of laws involving problems of marriage evasion and migratory divorce. Madden and Compton, Cases on Domestic Relations.
- 357 *Sales* (4) Oppenheim
 (Not offered in 1944-45.)
- 371-72 *Taxation* (2-2) Collier
 Emphasis on the federal estate tax and the federal income tax. Attention given state inheritance and income taxes. Problem of jurisdiction to tax, construction of tax statutes, methods of judicial review of administrative actions in the tax field, modern excise taxes on business concerns. Magill and Maguire, Cases on Taxation, 1941 ed. Fri., 6:20 to 8:00 P.M.
- 377 *Trade Regulation I* (4) Oppenheim
 Unfair trade practices, combination and monopoly at common law and under various statutes; trade-marks; business torts; Sherman Anti-trust Act; Federal Trade Commission and Clayton Acts; marketing, price and patent practices; Fair Trade Acts; mergers; trade associations; remedies. Oppenheim, Cases on Trade Regulation. Section A: Mon. and Wed., 10:00 to 11:50 A.M.; section B: Tues. and Fri., 6:20 to 8:00 P.M.

- 382 *Trusts* (4)
Nature, creation, elements, administration, termination, modification of trusts; charitable, resulting, construction trusts; liabilities of and third persons; transfer of beneficiary's interest. (Not offered in 1944-45.)
- 383 *War Law: Military Law* (1)
(Not offered in 1944-45.)
- 387 *War Law: War Contracts* (1)
(Not offered in 1944-45.)
- 404 *Administrative Law II* (4)
Research seminar course in special problems, including the study of specific administrative agencies, federal or state. (Not offered in 1944-45.)
- 405 *Admiralty* (2)
Federal and state jurisdiction; jurisdiction over waters, craft, contracts, torts, crimes, in equitable matters, etc.; laws applicable to maritime workers and maritime liens. Sayre, Cases on the Law of Admiralty. Mon., 6:20 to 8:00 P.M.
- 411 *Business Associations II* (4)
Seminar: study of the historical background and functioning of the statutes involved in the work of the Securities and Exchange Commission. (Not offered in 1944-45.)
- 416 *Comparative Law* (2)
Historical and comparative study of some of the institutions and principles of the civil law (law of South and Central America and most of the Continent of Europe) compared with those of the common law; the influence of the former upon the latter. Text to be announced. Mon., 6:20 to 8:00 P.M.
- 421 *Constitutional Law II* (4)
Research seminar in contemporary problems in constitutional law; special emphasis on interstate-commerce cases and due process of law. (Not offered in 1944-45.)
- 426-27 *Municipal and Government Corporations* (2-2)
Municipal corporations: organization, powers, functions, and legal relations of local governmental units. Federal corporate agencies: organization, powers, functions, and legal relations of functional governmental units separately incorporated. Tooke and McIntire, Cases on Municipal Corporations. Thurs., 6:20 to 8:00 P.M.
- 431 *International Law* (2)
Customary and treaty rights and duties of states; diplomatic and consular agents; treaty interpretation; nationality laws; international courts; claims procedure; war; neutrality. Hudson, Cases on International Law, 2d ed. Tues., 6:20 to 8:00 P.M.
- 434 *Interstate Commerce Commission Law and Procedure* (2)
Interstate Commerce Act; the Interstate Commerce Commission; practice and procedure before the Commission. (Not offered in 1944-45.)

435 *Jurisprudence* (2)

Collier

History of jurisprudence; schools of jurists, particularly the nineteenth century schools; sociological jurisprudence; theories of justice; the nature of law; law and morals; law and the state; the scope and subject matter of law; sources and forms of law; the traditional element; analysis of general legal conceptions. Wed., 6:20 to 8:00 P.M.

438 *Labor Relations Regulation* (2)

Law of relations between workers and management under the National Labor Relations Act. (Not offered in 1944-45.)

452 *Trade Regulation II* (4)

A research seminar course in specific problems of trade regulation. (Not offered in 1944-45.)

MATHEMATICS

James Henry Taylor, Ph.D., *Professor of Mathematics, Executive Officer*
 Francis Edgar Johnston, Ph.D., *Professor of Mathematics*
 Florence Marie Mears, Ph.D., *Professor of Mathematics*
 Earl Larkin Williams, A.M., *Associate in Mathematics*

Minimum requirements for the major.—Fifteen credit hours of mathematics beyond calculus, i.e., of approved second- and third-group courses.

FIRST GROUP*

3 College Algebra (3)

The Staff
 Exponents and logarithms; linear equations; complex numbers; quadratic equations; introduction to theory of equations; mathematics of induction and the binomial theorem; permutations, combinations, and probability; determinants; progressions. Prerequisite: one year each of high school algebra and high school geometry. Section A: Mon., Wed., and Fri., 10:10 A.M.; section B: Mon., Wed., and Fri., 8:10 P.M.; section C: Tues. and Thurs., 7:35 to 8:50 P.M.

Mathematics 3x—same as Mathematics 3, but offered winter term. Section A: Tues., Thurs., and Sat., 11:10 A.M.; section B: Mon., Wed., and Fri., 6:10 P.M.

6 Plane Trigonometry (3)

The Staff
 Prerequisite: two years of high school algebra and one year of high school geometry, or Mathematics 3 (or concurrent registration therefor). Section A: Mon., Wed., and Fri., 10:10 A.M.; section B: Mon., Wed., and Fri., 8:10 P.M.; section C: Tues. and Thurs., 7:35 to 8:50 P.M.

Mathematics 6x—same as Mathematics 6, but offered fall term. Section A: Tues., Thurs., and Sat., 10:10 A.M.; section B: Mon., Wed., and Fri., 7:10 P.M.; section C: Tues. and Thurs., 6:10 to 7:25 P.M.

11 Introductory College Mathematics (3)

Summer term 1944.

12 Analytic Geometry (3)

The Staff
 Prerequisite: Mathematics 3 and 6, or two years of high school algebra, one year of high school geometry, and one-half year of high school trigonometry. Section A: Tues., Thurs., and Sat., 10:10 A.M.; section B: Mon., Wed., and Fri., 7:10 P.M.; section C: Tues. and Thurs., 6:10 to 7:25 P.M.

Mathematics 12x—same as Mathematics 12, but offered fall term. Section A: Mon., Wed., and Fri., 9:10 A.M.; section B: Mon., Wed., and Fri., 11:10 A.M.; section C: Mon., Wed., and Fri., 6:10 P.M.; section D: Tues. and Thurs., 7:35 to 8:50 P.M.

Summer term 1944.

* No first-group course in Mathematics is available for college credit if the student's previous training in Mathematics meets the prerequisite for a higher numbered course.

19 *Differential Calculus* (3) The Staff

Prerequisite: Mathematics 12. Section A: Tues., Thurs., and Sat., 9:10 A.M.; section B: Tues. and Thurs., 6:10 to 7:25 P.M.; section C: Tues. and Thurs., 7:35 to 8:50 P.M.

Mathematics 19x—same as Mathematics 19, but offered winter term. Section A: Mon., Wed., and Fri., 9:10 A.M.; section B: Mon., Wed., and Fri., 11:10 A.M.; section C: Mon., Wed., and Fri., 6:10 P.M.

Summer term 1944.

20 *Integral Calculus** (3) The Staff

Prerequisite: Mathematics 19. Section A: Tues., Thurs., and Sat., 9:10 A.M.; section B: Tues. and Thurs., 6:10 to 7:25 P.M.; section C: Tues. and Thurs., 7:35 to 8:50 P.M.

Mathematics 20x—same as Mathematics 20, but offered fall term. Section A: Tues., Thurs., and Sat., 11:10 A.M.; section B: Mon., Wed., and Fri., 6:10 P.M.

Summer term 1944.

SECOND GROUP

102 *Fundamental Concepts of Mathematics* (3)

(Not offered in 1944-45.)

123 *Theory of Equations* (3)

Summer term 1944.

Mears

125 *Advanced Algebra* (3)

(Not offered in 1944-45.)

126 *Advanced Analytic Geometry* (3)

Mon., Wed., and Fri., 7:10 P.M.

Taylor

132 *Differential Equations* (3)

Tues. and Thurs., 7:35 to 8:50 P.M.

Mears

Mathematics 132x—same as Mathematics 132 but offered fall term. Tues. and Thurs., 6:10 to 7:25 P.M.

Summer term 1944.

134 *Introduction to Boundary Value Problems* (3)

Prerequisite: Mathematics 132. (Not offered in 1944-45.)

Taylor

†135-36 *Projective Geometry* (2-2)

(Not offered in 1944-45.)

138 *Advanced Calculus* (3)

Tues. and Thurs., 6:10 to 7:25 P.M.

Mears

142 *Introduction to Infinite Series* (3)

(Not offered in 1944-45.)

167 *Fourier Series and Spherical Harmonics* (3)

Prerequisite: Mathematics 132. (Not offered in 1944-45.)

* Mathematics 20 is prerequisite to all second-group courses.

- 171 *Vector Analysis* (3)
Mon., Wed., and Fri., 7:10 P.M.

Taylor

THIRD GROUP

- 220 *Theory of Numbers* (3)
(Not offered in 1944-45.)
- †237-38 *Theory of Functions* (3-3)
(Not offered in 1944-45.)
- 249 *Ordinary Differential Equations* (3)
(Not offered in 1944-45.)
- 250 *Integral Equations* (3)
(Not offered in 1944-45.)
- 255 *Differential Geometry* (3)
Mon., Wed., and Fri., 6:10 P.M.
- 257 *Theory of Groups* (3)
(Not offered in 1944-45.)
- †265-66 *Modern Algebra* (3-3)
Mon., Wed., and Fri., 7:10 P.M.
- †267-68 *Calculus of Variations* (2-2)
(Not offered in 1944-45.)
- 270 *Tensor Analysis* (3)
Mon., Wed., and Fri., 6:10 P.M.
- 271 *Riemannian Geometry* (3)
(Not offered in 1944-45.)
- 277 *Partial Differential Equations* (3)
(Not offered in 1944-45.)
- 297-98 *Reading and Research* (3-3)
Hours to be arranged.
- 299-300 *Thesis* (3-3)

Taylor

Johnston

Taylor

The Staff

The Staff

MECHANICAL ENGINEERING

- *Arthur Frederick Johnson, M.E., Ph.D., *Professor of Mechanical Engineering*
 Frederick Morris Feiker, B.S. in E.E., D.Eng., *Professor of Engineering Administration*
 Benjamin Carpenter Cruickshanks, B.S. in M.E., *Professor of Mechanical Engineering, Acting Executive Officer*
 Garbis Keulegan, Ph.D., *Professorial Lecturer in Mechanical Engineering*
 Robert Gay Trumbull, B.S. in C.E., *Associate Professor of Mechanical Engineering*
 *Howard Henry Koster, M.S. in M.E., *Assistant Professor of Mechanical Engineering*
 Martin Alexander Mason, B.S. in Eng., Dr. Ing., *Lecturer in Mechanical Engineering*
 Harry Joseph Keegan, B.M.E., *Lecturer in Mechanical Engineering*
 Rudolph Michel, M.S. in M.E., *Lecturer in Mechanical Engineering*

Minimum requirements for the major.—See pages 101 and 104.

Summer term 1944.—Odd-numbered courses will be offered except 5, 9, 15, 101, 103, 117, 133.

Fall term 1944-45.—Even-numbered courses will be offered except 10, 16, 102, 104, 118, 126.

Winter term 1944-45.—Odd-numbered courses will be offered except 5, 9, 15, 101, 103, 117, 131.

FIRST GROUP

- 1 *Engineering Survey and Orientation* (1) Cruickshanks and Staff
 Open to freshmen only. Section A: Mon., 12:40 P.M.; section B: Tues., 7:10 P.M.
- 3 *Mechanical Drawing* (2) Trumbull
 Drafting-room fee, \$3. Section A: Mon. and Fri., 1:40 to 4:30 P.M.; section B: Mon. and Fri., 8:10 to 11:00 P.M.
- 4 *Descriptive Geometry* (2) Trumbull
 Drafting-room fee, \$3. Section A: Mon. and Fri., 1:40 to 4:30 P.M.; section B: Mon. and Fri., 8:10 to 11:00 P.M.
- 5 *Introductory Naval Architecture* (3)
 Nomenclature, functions, and arrangement of hull structure, equipment, and machinery for merchant vessels. Lectures supplemented by visits to shipyards.

* On war leave 1944-45.

7 Machine Drawing (2)

Trumbull

Prerequisite: Mechanical Engineering 3 and 4. Drafting-room fee, \$3. Section A: Mon. and Fri., 1:40 to 4:30 P.M.; section B: Mon. and Fri., 8:10 to 11:00 P.M.

8 Mechanism Drawing (2)

Trumbull

Prerequisite: Mechanical Engineering 3, 4, and 13. Prerequisite or concurrent registration: Mechanical Engineering 14. Drafting-room fee, \$3. Section A: Mon. and Fri., 1:40 to 4:30 P.M.; section B: Mon. and Fri., 8:10 to 11:00 P.M.

9-10 Ship Drafting (2-2)

Fairing of lines; displacement, stability curves, midship section, general arrangements and structural detail plans, machinery details. Prerequisite or concurrent registration: Mechanical Engineering 15. Drafting-room fee, \$3 a term.

13-14 Mechanism (2-2)

Trumbull

Prerequisite: Mathematics 12. Prerequisite or concurrent registration: Mathematics 19. Section A: Tues. and Thurs., 12:10 P.M.; section B: Tues. and Thurs., 6:10 P.M.

15-16 Elementary Ship Calculations (2-2)

Form characteristics, detailed weights, displacement, transverse and longitudinal equilibrium, launching. Prerequisite: Mechanical Engineering 5.

SECOND GROUP**101-2 Advanced Ship Calculations (2-2)**

Stabilizing, model basin practice, powering, steering, launching, hull strength, floodability, vibrations. Prerequisite: Mechanical Engineering 16.

103-4 Ship Design (2-2)

Prerequisite: Mechanical Engineering 10, 16; prerequisite or concurrent registration: Mechanical Engineering 117. Drafting-room fee, \$3 a term.

111-12 Thermodynamics (3-3)

Cruickshanks

With introductory study of laws of heat transmission. Prerequisite or concurrent registration: Mathematics 20. Section A: Mon., Wed., and Fri., 9:10 A.M.; section B: Mon., Wed., and Fri., 7:10 P.M.

115-16 Mechanical Laboratory (2-2)

Cruickshanks

Calibration of instruments; calorimetry; testing of prime movers, auxiliaries, and combustion engines. Eight-hour boiler test required. Prerequisite: Mechanical Engineering 13-14 and 111-12. Laboratory fee, \$6 a term. Section A: Mon. and Fri., 1:10 P.M.; section B: Mon. and Fri., 8:10 P.M.

117-18 Marine Engines and Auxiliaries (2-2)

Details, arrangements and performance of steam uniflow, steam turbine, and Diesel propelling plants. Prerequisite or concurrent registration: Mechanical Engineering 5, 13-14, and 111-12.

- 126 *Methods of Manufacture* (2) Koster
Fixtures, gauging, tools, costs. Prerequisite: Mechanical Engineering 8 and 14; Civil Engineering 26. Tues. and Thurs., 7:10 P.M.
- 127-28 *Machine Design* (2-2) Keegan
With stress-analysis lectures. Prerequisite: Mechanical Engineering 112 and 126; Civil Engineering 25, 123, 136, and 141. Drafting-room fee, \$3 a term. Tues. and Thurs., 8:10 to 11:00 P.M.
- 129-30 *Power Plants* (3-3) Cruickshanks
Study of design, layout, installation, and operation of power plants and equipment. Prerequisite: Mechanical Engineering 112. Mon., Wed., and Fri., 6:10 P.M.
- 131-32 *Heating, Ventilating, Air Conditioning, and Refrigeration* (2-2) Koster
Prerequisite: Mechanical Engineering 112. Tues. and Thurs., 6:10 P.M.
- 133 *Combustion Engines* (2) Koster
Prerequisite: Mechanical Engineering 112; Civil Engineering 123 and 136; Electrical Engineering 10. Section A: Tues. and Thurs., 11:10 A.M.; section B: Tues. and Thurs., 7:10 P.M.
- 139 *Fluid Dynamics* (3) Keulegan
The theories of hydro- and aero-mechanics as influenced by density, viscosity, and turbulence. Prerequisite: Mechanical Engineering 112; Civil Engineering 140. Mon., Wed., and Fri., 7:10 P.M.
- 140 *Dynamics of Machinery* (3) Michel
Inertia effects, balancing, vibration phenomena. Prerequisite: Mechanical Engineering 115; Civil Engineering 123 and 136. Mon., Wed., and Fri., 7:10 P.M.
- 141-42 *Management Problems* (2-2) Feiker
The handling and training of men. Prerequisite: Economics 1-2. Tues. and Thurs., 7:10 P.M.
- 145-46 *Management Controls* (2-2)
Prerequisite: Economics 1-2; Business Administration 101-2. Hours to be arranged.
- 147 *Industrial Labor Relations* (2)
Prerequisite: Mechanical Engineering 141-42. Tues. and Thurs., 6:10 P.M.
- 189-90 *Proseminar in Mechanical Engineering* (1-1) Mason
Hours to be arranged.

MEDICINE

- Walter Andrew Bloedorn, A.M., M.D., *Professor of Medicine, Executive Officer*
- Coursen Baxter Conklin, A.M., M.D., *Clinical Professor of Medicine*
- Charles Robert Lee Halley, A.B., M.D., *Clinical Professor of Medicine*
- Paul Frederick Dickens, M.D., *Clinical Professor of Medicine*
- Harry Filmore Dowling, A.B., M.D., *Clinical Professor of Medicine*
- Charles Powell Cake, M.D., *Adjunct Clinical Professor of Medicine*
- Robert Port Herwick, Ph.D., M.D., LL.B., *Adjunct Clinical Professor of Medicine*
- Joseph Thomas Roberts, M.D., Ph.D., *Adjunct Clinical Professor of Medicine*
- Frank Adelbert Hornaday, M.S., M.D., *Associate Clinical Professor of Medicine*
- Walter Kendall Myers, B.S., M.D., *Assistant Clinical Professor of Medicine*
- John Alton Reed, A.B., M.D., *Assistant Clinical Professor of Medicine*
- Clayton Bernard Ethridge, M.D., *Assistant Clinical Professor of Medicine*
- Watson William Eldridge, Jr., M.D., *Associate in Medicine*
- Maurice Protas, A.B., M.D., *Associate in Medicine*
- Bernard Lauriston Hardin, Jr., A.B., M.D., *Associate in Medicine*
- A. Fife Heath, M.D., *Associate in Medicine*
- Benjamin Manchester, M.D., *Associate in Medicine*
- Malcolm Foster Lent, M.D., *Associate in Medicine*
- Nicholas Athanasiou Mandelos, M.D., *Clinical Instructor in Medicine*
- *Richard Bernard Castell, A.B., M.D., *Clinical Instructor in Medicine*
- John Ellsworth Everett, A.B., M.D., *Clinical Instructor in Medicine*
- John Bayne Marbury, M.D., *Clinical Instructor in Medicine*
- Louis Ross, M.D., *Clinical Instructor in Medicine*
- Irving Wolfe Winik, M.D., *Clinical Instructor in Medicine*
- Carl Calvin Dauer, A.B., M.D., M.P.H., *Clinical Instructor in Medicine*
- John Edward Morris, B.S., M.D., *Clinical Instructor in Medicine*
- Russell Crandle Payne, A.B., M.D., *Clinical Instructor in Medicine*
- Lawrence Elias Putnam, A.B., M.D., *Clinical Instructor in Medicine*
- Ruth Benedict, A.B., M.D., *Clinical Instructor in Medicine*
- James Theodore Burns, M.D., *Clinical Instructor in Medicine*
- Saiyude Dithakar Bhakdi, A.B., M.D., *Clinical Instructor in Medicine*
- Frederic Dunbar Chapman, A.B., M.D.C.M., *Clinical Instructor in Medicine*

- Meredith Benjamin Hesdorffer, B.S., M.D., *Clinical Instructor in Medicine*
- Irvin Kerlan, B.S., M.D., C.P.H., *Clinical Instructor in Medicine*
- Leon Schwartz, A.B., M.D., M.P.H., *Clinical Instructor in Medicine*
- Robert George Taylor, B.S., M.D., *Clinical Instructor in Medicine*
- Lawrence Jay Thomas, B.S., M.D., *Clinical Instructor in Medicine*
- Virginia Patterson Beelar, A.B., M.D., *Clinical Instructor in Medicine*
- Sylvan Adolph Steiner, M.D., *Clinical Instructor in Medicine*
- Paul Fleming-Holland, M.D., *Clinical Instructor in Medicine*
- James Joseph Feffer, A.B., M.D., *Clinical Instructor in Medicine*
- Beatrice Bishop Berle, A.M., M.D., *Clinical Instructor in Medicine*
- Myer Harold Stolar, B.S., M.D., *Clinical Instructor in Medicine*
- Frank Louis Williman, M.S. in Med., M.D., *Clinical Instructor in Medicine*

Locker fee.—A fee of \$1 a term is charged for the use (optional) of a locker.

- 126 *History of Medicine* Halley
One hour a week.
- 241-42 *Physical Diagnosis* Conklin and Staff
Demonstrations and practice on the normal and abnormal subject; designed to cover the entire subject of physical diagnosis.
- 244 *General Medicine* Bloedorn, Halley
Lectures covering general aspects of all phases of medical disease, and including therapeutics. Three hours a week.
- 312 *Radiology and Radiotherapy* The Staff
One hour a week.
- 324 *Clinical Physiology* Dickens
Lectures and clinics for the correlation of preclinical and laboratory studies of physiology with altered function as observed in clinic and ward. One hour a week.
- 325-26 *Clinical Clerkship* Dowling and Staff
Individual case work under strict supervision (student's histories generally accepted as hospital records). Emergency and Gallinger hospitals.
- 327-28 *Clinical Pathological Conference* Bloedorn, Choisser
Required in the third and fourth years. Correlation of clinical and post-mortem findings: detailed case descriptions from the clinical point of view, followed by thorough demonstrations, grossly and with lantern slides, of post-mortem findings. One hour a week.
- 349-50 *Grand Ward Rounds* Bloedorn and Staff
Conducted weekly at Gallinger Hospital. Cases are presented at this conference by members of the Resident Staff and Visiting Staff.

- 416 *Tropical Medicine* The Staff
Lectures, laboratory exercises, museum and clinical demonstrations designed to familiarize the student with problems of tropical medicine, particularly as applied to the present emergency. Two hours a week.
- 417-18 *Physiotherapy* Eldridge
Lectures and demonstrations of the fundamentals of physical treatment and their applications to general medical diseases. St. Elizabeths Hospital.
- 420 *Medical Jurisprudence* Eldridge
Lectures on the legal and ethical rights of physicians, and on the legal problems with which the physician is brought into contact. One hour a week for eleven weeks.
- 421-22 *Dispensary Clinics* The Staff
Thorough study of individual cases subsequently reviewed in detail by the Staff. The University and Emergency hospitals.
- 424 *Clinics* Bloedorn and Staff
Etiology, diagnosis, and treatment of the usual and more rare diseases, with special emphasis on differential diagnosis and the demonstration of clinical abnormalities found in various morbid processes. Medical School.
- 425-26 *Clinical Clerkship* Dickens, Halley
Individual case work under strict supervision (student's histories generally accepted as hospital records). The University and Emergency hospitals.
- 440 *Clinical Pharmacology* Herwick
Brief review in materia medica, prescription writing, and the fundamentals of therapeutics; discussion of the pharmacological basis of therapeutics.
- 498 *Professional Aspects of Military Medicine* The Staff
Study of problems arising in civilian, industrial, and military life peculiar to the present emergency; lectures by members of the staff and specialists of the Army, the Navy, and the United States Public Health Service on duty in Washington. Two hours a week.
- 499 *Clinical Physiology* Dickens
Continuation of Medicine 324. One hour a week.

MILITARY SCIENCE AND TACTICS

James Emory Phillips, M.D., Lieutenant Colonel, Medical Corps, United States Army, *Professor of Military Science and Tactics*

Elbert Raymond Moses, Jr., Ph.D., Lieutenant, Signal Corps, United States Army, *Assistant Professor of Military Science and Tactics*

129-30 *Basic Course (First Year)* Phillips
Legal basis of national defense; organization of the Army and the Medical Department; military law and courts-martial; customs of the service; map reading; military administration.

247-48 *Basic Course (Second Year)* Phillips
Organization and operation of the Medical Department with the Arms; combat orders and problems; map exercises; medical service of Infantry and Cavalry divisions.

329-30 *Advanced Course (First Year)** Phillips
Mess management; military preventive medicine; sanitation; chemical warfare, tactics, defense, and medical aspects.

429-30 *Advanced Course (Second Year)** Phillips
Military history; leadership; diseases peculiar to war; organization and equipment within the division; mobilization; property accounting.

* Students in the first and second year of the advanced course are selected from those who have satisfactorily completed the basic course.

NEUROLOGY

Walter Freeman, Ph.D., M.D., *Professor of Neurology, Executive Officer*

James Winston Watts, B.S., M.D., *Clinical Professor of Neurosurgery*

Robert Henry Groh, B.S., M.D., *Clinical Instructor in Neurology*

Vasilios Simos Lambros, M.D., *Clinical Instructor in Neurosurgery*

Harold Stevens, M.D., Ph.D., *Clinical Instructor in Neurology*

Harvey Hirsch Ammerman, B.S., M.D., *Clinical Instructor in Neurology*

249 *Neurology (elective)*

Methods of study of the nervous system. Gross and microscopic preparations, embryology, comparative anatomy, stimulation and irritation, human pathology, etc. Laboratory demonstrations. One hour a week. Freeman

331 *Neurology*

Systematic lectures with lantern slides illustrating the chief neurologic syndromes and their anatomic bases. One hour a week. Watts

333-34 *Neurology Clinic (elective)*

May be elected in the third or fourth year. Neurological outpatient clinic. Consultation of staff on ambulatory cases, demonstration of diagnostic procedures, disposition of neuropsychiatric cases. Three hours a week. Freeman and Staff

335-36 *Neurologic Conference*

Weekly staff conference at Gallinger Municipal Hospital covering interesting problems from the Neurologic Service. One fourth of a class for one and one-half hours a week. Freeman and Staff

383-84 *Ward Neurology*

Daily rounds and frequent assignments at Gallinger Municipal Hospital Neurologic Service. Each student works up a number of cases during his service. One eighth of the class for four weeks. Groh

431 *Neurosurgery (elective)*

Lectures and clinical demonstrations in surgery of the brain, spinal cord, and peripheral nerves. Emphasis is laid upon fundamentals and upon the possibilities of surgery in the relief of symptoms. One hour a week. Watts

433-34 *Clinical Neurology*

Lectures and demonstrations of patients illustrating the diagnosis and treatment of nervous disorders. Material is available at St. Elizabeths Hospital illustrative of the more common disorders and some of the unusual syndromes. One hour a week. Freeman

435-36 *Neurologic Examinations*

Practical instruction in the examination of patients presenting nervous diseases. Detailed examination of six patients is required of each student. St. Elizabeths Hospital. One fourth of the class, two hours a week. Freeman and Staff

OBSTETRICS AND GYNECOLOGY

- John Louis Parks, M.S., M.D., *Professor of Obstetrics and Gynecology, Executive Officer*
- *Howard Francis Kane, A.B., M.D., *Clinical Professor of Obstetrics and Gynecology*
- Radford Brown, M.D., *Clinical Professor of Obstetrics and Gynecology*
- Elijah White Titus, Phar.D., M.D., *Clinical Professor of Obstetrics and Gynecology*
- Jacob Kotz, M.D., *Clinical Professor of Obstetrics and Gynecology*
- Henry Laurant Darner, A.B., M.D., *Clinical Professor of Obstetrics and Gynecology*
- Herbert Percy Ramsey, A.B., M.D., *Clinical Professor of Obstetrics and Gynecology*
- William Preston Haynes, A.B., M.D., *Associate in Obstetrics and Gynecology*
- George Nordlinger, A.B., M.D., *Associate in Obstetrics and Gynecology*
- Joseph Harris, A.B., M.D., *Associate in Obstetrics and Gynecology*
- Laurence Lee Cockerille, M.D., *Associate in Obstetrics and Gynecology*
- Samuel Mayer Dodek, A.M., M.D., *Associate in Obstetrics and Gynecology*
- Bernard Notes, M.D., *Associate in Obstetrics and Gynecology*
- Russell Jon Jansen, M.D., *Associate in Obstetrics and Gynecology*
- Howard Pope Parker, A.B., M.D., *Associate in Obstetrics and Gynecology*
- Helen Gladys Kain, B.S., M.D., *Clinical Instructor in Obstetrics and Gynecology*
- Esther Alsylvia Nathanson, A.B., M.D., *Clinical Instructor in Obstetrics and Gynecology*
- Katherine Elizabeth Parker, A.M., M.D., *Clinical Instructor in Obstetrics and Gynecology*
- Harry Samuel Douglas, A.B., M.D., *Clinical Instructor in Obstetrics and Gynecology*
- Roger O'Donnell, Jr., A.B., M.D., *Clinical Instructor in Obstetrics and Gynecology*
- William Dandridge Terrell, Jr., M.D., *Clinical Instructor in Obstetrics and Gynecology*
- James Albert Dusbabek, M.D., *Clinical Instructor in Obstetrics and Gynecology*
- Barton Winters Richwine, M.D., *Clinical Instructor in Obstetrics and Gynecology*

* On war leave 1944-45.

- Julius Robert Epstein, M.D., *Clinical Instructor in Obstetrics and Gynecology*
- Morton Selwyn Kaufman, A.B., M.D., *Clinical Instructor in Obstetrics and Gynecology*
- Floyd Sterling Rogers, M.D., *Clinical Instructor in Obstetrics and Gynecology*
- Clarence Kendall Fraser, Ph.B., M.D., *Clinical Instructor in Obstetrics and Gynecology*
- Rufus Martin Roll, A.B., M.D., *Clinical Instructor in Obstetrics and Gynecology*
- Caroline Jackson, A.M., M.D., *Clinical Instructor in Obstetrics and Gynecology*
- 253-54 *Pregnancy, Normal and Abnormal* Dodek, O'Donnell
Lectures and recitations on the physiology and management of pregnancy and its complications. One hour a week.
- 337-38 *Labor, Normal and Abnormal* Parks, Nordlinger
Lectures, recitations, and demonstrations on the mechanism and course of labor and its complications. Two hours a week.
- 344 *Gynecology* Brown
Lectures on the principles of gynecological surgery. One hour a week for seven weeks.
- 345-46 *Manikin Demonstrations* Harris
The mechanism of labor and various types of operative delivery demonstrated to sections of the class. One hour a week.
- 439 *Gynecological Pathology (elective)* Brown
Lectures on the essentials of gynecological pathology, and demonstrations and study of gross and microscopic material discussed in the lectures. One hour a week.
- 441-42 *Clinical Obstetrics* The Staff
Observation of, and participation in, the work of the pre- and post-natal clinics, on the wards, and in the delivery rooms of the University, Gallinger, Columbia, and Garfield hospitals.
- 443-44 *Clinical Gynecology* The Staff
Observation of, and participation in, the work at the out-patient clinics on the wards, and in the operating rooms of the University, Gallinger, Columbia, and Garfield hospitals.
- 445 *Female Endocrinology and Operative Gynecology* Kotz, Damer
Lectures on the physiology and pathology of the endocrine system in women and on the principles of gynecological surgery. One hour a week.

OPHTHALMOLOGY

William Thornwall Davis, M.D., *Professor of Ophthalmology, Executive Officer*

Ernest Alfred Watson Sheppard, M.D.C.M., *Associate Clinical Professor of Ophthalmology*

Edgar Leonard Goodman, M.D., M.M.S., *Assistant Clinical Professor of Ophthalmology*

Ronald Atmore Cox, A.B., M.D., *Assistant Clinical Professor of Ophthalmology*

Frank Duncan Costenbader, B.S., M.D., *Assistant Clinical Professor of Ophthalmology*

Richard Wallace Wilkinson, A.B., M.S., M.D., *Associate in Ophthalmology*

Sterling Bockoven, M.D., *Clinical Instructor in Ophthalmology*

Carmon Robert Naples, B.S., M.D., *Clinical Instructor in Ophthalmology*

351-52 *Ophthalmology*

Davis and Staff

A lecture course presenting the principles of ophthalmology, with special reference to topics of importance to the general practitioner. One hour a week for twenty weeks.

447 *Clinic*

Davis and Staff

Intensive training in diseases of the eye; etiology, diagnosis, and treatment in their application to clinical cases. Episcopal Hospital. Three hours twice a week.

OTO-RHINO-LARYNGOLOGY

- Daniel Bruce Moffett, A.B., M.D., *Professor of Oto-rhino-laryngology*
Executive Officer
- William Herndon Jenkins, M.D., *Clinical Professor of Oto-rhino-laryngology*
- Leroy Lee Sawyer, Jr., A.B., M.D., *Assistant Clinical Professor of Oto-rhino-laryngology*
- David Davis, A.B., M.D., *Associate in Oto-rhino-laryngology*
- Aubrey David Fischer, M.D., *Associate in Oto-rhino-laryngology*
- Jeter Carroll Bradley, M.D., *Associate in Oto-rhino-laryngology*
- Joel Norton Novick, M.S., M.D., *Clinical Instructor in Oto-rhino-laryngology*
- John Gordon Bell, M.D., *Clinical Instructor in Oto-rhino-laryngology*
- Catharine Birch, A.B., M.D., *Clinical Instructor in Oto-rhino-laryngology*
- Homer King Vann, A.B., M.D., *Clinical Instructor in Oto-rhino-laryngology*

- 451 *Oto-rhino-laryngology* Moffett, Jenkins
 Lectures and demonstrations on anatomy, physiology, and diseases of the ear, nose, and throat, bronchoscopy and esophagoscopy. One hour a week. Davis
- 454 *Bronchoscopy* Davis
 A series of lectures on the fundamental principles and the use of instruments, including both the bronchoscope and esophagoscope. One hour a week for four weeks. The Staff
- 456 *Clinic* The Staff
 Practical clinical instruction in the diagnosis and treatment of diseases of the ear, nose, and throat. Episcopal Hospital. One and one-half hours twice a week.

PATHOLOGY

Roger Morrison Choisser, B.S., M.D., *Professor of Pathology, Executive Officer*

Thomas Martin Peery, A.B., M.D., *Associate Professor of Pathology*

Pearl Holly, M.S., M.D., *Associate in Pathology*

Eugene Leonard Lozner, A.B., M.D., *Associate in Pathology*

Anna Margaret Allen, L.R.C.P.S.I., D.P.H., *Instructor in Pathology*

Jack Spier, M.D., *Instructor in Pathology*

236 *Clinical Pathology*

Choisser and Staff

Lectures and laboratory work covering aspects of laboratory diagnosis of disease, including a study of: urinalysis, blood counting, the anemias, leukemias, and other blood dyscrasias. Examination of exudates, transudates, stomach contents, spinal fluids, and stools also emphasized. Three hours a week.

259-60 *Pathology*

Choisser, Peery

Malformations, inflammations, degenerations, and neoplasms; special pathology of the organs and specific diseases. The laboratory work consists of the gross and microscopic study of diseased tissues. Necropsies are held regularly at the University and Gallinger hospitals.

307 *Necropsy (elective)*

The Staff

Students assist in the performance of necropsies. Fresh gross specimens and microscopic sections from each case are presented at weekly conferences. Current literature relating to cases is reviewed and presented by the students.

327-28 *Clinical Pathological Conference*

Choisser, Bloedorn

Required in the third and fourth years. Case histories are presented and discussed by members of the staff and student body; necropsy and clinical findings are compared, and gross and microscopic specimens examined. One hour a week.

460 *Research*

Choisser

Hours and credits to be arranged.

461 *Tumors*

Choisser and Staff

Sixteen lectures and laboratory periods covering experimental production of tumors by means of carcinogens. Microscopic diagnosis of tumors is stressed. One hour a week.

PEDIATRICS

- Preston Alexander McLendon, B.S., M.D., *Professor of Pediatrics, Executive Officer*
 Charles Aurelius Schutz, M.D., *Clinical Professor of Pediatrics*
 Margaret Mary Nicholson, A.B., M.D., *Clinical Professor of Pediatrics*
 Edward Lewis, M.D., *Clinical Professor of Pediatrics*
 Lewis Kaigler Sweet, A.B., M.D., *Adjunct Clinical Professor of Pediatrics*
 William Staton Anderson, A.B., M.D., *Assistant Clinical Professor of Pediatrics*
 Mabel Harlakenden Grosvenor, A.B., M.D., *Assistant Clinical Professor of Pediatrics*
 John Augustine Washington, A.B., B.S., M.D., *Assistant Clinical Professor of Pediatrics*
 Elizabeth Emery Chickering, A.B., M.D., *Associate in Pediatrics*
 Aaron Nimetz, A.B., M.D., *Associate in Pediatrics*
 Carolyn Snyder Pincock, A.B., M.D., *Clinical Instructor in Pediatrics*
 Richard Henry Todd, A.B., M.D., *Clinical Instructor in Pediatrics*
 Dorothy Steinkle Jaeger, M.D., *Clinical Instructor in Pediatrics*
 Herbert Harold Diamond, M.D., *Clinical Instructor in Pediatrics*
 George Maksim, M.D., M.S. in Ped., *Clinical Instructor in Pediatrics*

354 *Pediatrics*

Nicholson

Ward walks and weekly clinic. Gallinger Hospital. Two sections.

355-56 *Pediatrics*

Schutz

Lectures on diseases and malformations of the newly born. Growth, metabolism, nutrition, nutritional diseases, therapeutics, habits, preventive pediatrics, and social aspects are considered. One hour a week for twenty-four weeks.

357-58 *Clinic*

Pincock, Grosvenor

Clinical instruction in the care and diseases of the newly born, congenital malformations, birth injuries, and prematurity. Gallinger Hospital. One fourth of the class, one hour a week.

359-60 *Contagious-Disease Clinic*

The Staff
Gallinger Hospital

Bedside instruction in scarlet fever, diphtheria, etc. Gallinger Hospital. One fourth of the class, one hour a week. Ward walks twice a week.

463-64 *Child-Welfare and Preventive Clinic*

Schultz, Jaeger

Clinical course in the infant and the pre-school child. Children's Hospital, Child Welfare Center. One section, one hour a week.

- 465-66 *Clinic* The Staff
 Out-patient clinic: minor to serious disorders of children, emotional life of the child, habit formations, and behavior problems. Children's Hospital. One section, Mon., Tues., Wed., and Fri., one and one-half hours.
- 467-68 *Clinic* McLendon
 Teaching clinic. Children's Hospital. Entire class, one and one-fourth hours a week.
- 469-70 *Clinical Clerkship* The Staff
 Ward walks, physical diagnosis, pediatric procedures, bedside instruction in contagious diseases, laboratory and necropsy instruction, diagnosis of urgent cases. Children's Hospital. One fourth of the class. Mon., Tues., Wed., and Fri., 9:30 A.M. to 4:30 P.M.
- 471-72 *Allergy Clinic* Jaeger, Todd
 Prerequisite: Bacteriology 209. Practical work in the Allergy Clinic of Children's Hospital may be obtained by a small group of senior students. Two afternoons a week.

PHARMACOLOGY AND THERAPEUTICS

George Byron Roth, A.B., M.D., *Professor of Pharmacology, Executive Officer*

Edgar William Ligon, Jr., Ph.D., *Assistant Professor of Pharmacology*

Edward Leong Way, Ph.D., *Instructor in Pharmacology*

263 *Pharmacology*

Laboratory instruction covering both the chemical nature and the biological effects of drugs. Five hours a week.

Roth and Staff

265 *Pharmacology*

Lectures and demonstrations to correlate the most prominent facts relating to the more important therapeutic agents. Drugs found in the *United States Pharmacopoeia* and *New and Non-official Remedies* are stressed. Three hours a week.

Roth

267 *Pharmacology Conference*

One hour a week.

Roth and Staff

269 *Prescription Writing*

Sixteen one-hour conferences on the form of the prescription, with practical exercises.

Roth

362 *Research*

Hours and credits to be arranged.

Roth and Staff

PHARMACY

- *William Paul Briggs, M.S., *Professor of Pharmacy*
- *Lea Gene Gramling, Ph.D., *Assistant Professor of Pharmacology and Pharmacognosy*
- Lloyd Walter Hazleton, Ph.D., *Assistant Professor of Pharmacology, Acting Executive Officer*
- *Charles Watson Bliven, M.S., *Assistant Professor of Pharmaceutical Chemistry*
- Asa Vernon Burdine, *Lecturer on Pharmaceutical Economics*
- Harold Clayton Kinner, B.S. in Phar., *Lecturer on Pharmaceutical Law*
- Leopold Henry Forster, Ph.G., *Instructor in Hospital Pharmacy*
- Helen McDonald Tingle, B.S. in Phar., *Instructor in Pharmacy*
- Emily Anna May Godfrey, B.S. in Ed., *Associate in Pharmaceutical Chemistry; Research Associate in Pharmacology*
- Kathleen Darner Talbert, A.B., *Associate in Pharmacognosy; Research Associate in Pharmacology*

SEMINAR LECTURERS

- James Johnson Durrett, M.S., Phar.G., M.D., *Professorial Lecturer on Drug Control Problems*
- Evander Francis Kelly, Phar.D., Sc.D., *Professorial Lecturer on Pharmaceutical Organizations*
- Carson Peter Frailey, Phar.D., *Professorial Lecturer on Industrial Pharmacy*
- Warren Fales Draper, A.B., M.D., *Professorial Lecturer on Public Health*
- Frederick John Cullen, Phar.G., M.D., *Professorial Lecturer on Drug Manufacture*
- James Albert Horton, LL.B., *Professorial Lecturer on Drug Trade Regulations*
- John Christian Krantz, Jr., Ph.D., *Professorial Lecturer on Pharmaceutical Research*
- Justin Lawrence Powers, Ph.D., *Professorial Lecturer on Official Drug Standards*
- George Clemens Ruhland, M.D., *Professorial Lecturer on Hygiene and Sanitation*
- Robert Lee Swain, Phar.D., LL.B., *Professorial Lecturer on Contemporary Pharmacy*
- George Potter Larrick, *Professorial Lecturer on Drug Control Minimum requirements for the degree.—See pages 110-12.*

* On war leave 1944-45.

FIRST GROUP

- 1-2 *Principles of Pharmacy* (2-2) Tingle
Pharmaceutical mathematics and fundamental laboratory technique. Material fee, \$6 a term; breakage deposit,* payable in advance, \$5 a year. Mon. and Wed., 9:10 A.M. Laboratory—Fri., 9:10 to 11:00 A.M.
- 21-22 *Operative Pharmacy* (4-4) Godfrey
The theory and manufacture of pharmacopoeial and formulary preparations. Material fee, \$9 a term; breakage deposit,* payable in advance, \$10 a year. Mon. and Wed., 9:10 A.M. Laboratory—winter term: Tues. and Thurs., 1:40 to 4:30 P.M.; winter term: Mon. and Wed., 1:40 to 4:30 P.M.
- 23-24 *Pharmacognosy* (3-3) Talbert
Macroscopic and microscopic. Prerequisite: Botany 1. Material fee, \$6 a term. Tues. and Thurs., 10:10 A.M. Laboratory—Fri., 1:40 to 4:30 P.M.

SECOND GROUP

- 102 *Dispensing Pharmacy* (4) Tingle
Compounding of typical prescriptions and a study of incompatibilities. Prerequisite: Pharmacy 2 and 22. Material fee, \$9; breakage deposit,* payable in advance, \$5 a year. Mon. and Wed., 10:10 A.M. Laboratory—Tues. and Thurs., 1:40 to 4:30 P.M.
- 103 *Dispensing Pharmacy* (4) Tingle
Continuation of Pharmacy 102. Material fee, \$9; breakage deposit,* payable in advance, \$5 a year. Tues. and Thurs., 10:10 A.M. Laboratory—Tues. and Fri., 1:40 to 4:30 P.M.
- 105-6 *Pharmacology I* (2-2) Hazleton
Uses of official and new nonofficial drugs; biologicals, glandular products, first aid, and medical requisites. Mon. and Wed., 9:10 A.M.
- 108 *History of Pharmacy* (1) Tingle
Fri., 10:10 A.M.
- 109 *Organic Pharmaceutical Chemistry* (3) Tingle
Preparation and qualitative testing of official organic chemicals and chemical preparations. Material fee, \$9; breakage deposit,* payable in advance, \$5 a year. Prerequisite: Chemistry 152. Tues. and Thurs., 10:10 A.M. Laboratory—Fri., 1:40 to 4:30 P.M.
- 110 *Inorganic Pharmaceutical Chemistry* (3) Tingle
Preparation and qualitative testing of official inorganic chemicals and chemical preparations. Material fee, \$9; breakage deposit,* payable in advance, \$5 a year. Prerequisite: Chemistry 21. Mon. and Wed., 11:10 A.M. Laboratory—Thurs., 1:40 to 4:30 P.M.
- 151 *Advanced Pharmacognosy* (2) (N)
Microscopic. Prerequisite: Pharmacy 24. Material fee, \$6. (Not offered in 1944-45.)

* The maximum deposit for two or more courses is \$10. In case the student's breakage total more than this amount, he will be required to make an additional deposit.

- 153-54 *Pharmacology II* (3-3) Hazleton
Laboratory work in basic pharmacological technique. Prerequisite: Pharmacy 106; Physiology 115 and 117. Material fee, \$6 a term. Hours to be arranged.
- 165-66 *Pharmacology III* (3-3) Hazleton
Pharmacodynamics, toxicology, and biological assays. Prerequisite: Pharmacy 24 and 106; Physiology 115 and 117. Pharmacy 166, material fee, \$9. Fall term: Tues., Thurs., and Fri., 9:10 A.M. Winter term: Tues. and Thurs., 9:10 A.M. Laboratory—Fri., 1:40 to 4:30 P.M.
- 172 *Advanced Dispensing Pharmacy* (2)
The equipment and management of professional pharmacies and advanced dispensing. Prerequisite: Pharmacy 103. Material fee, \$9; breakage deposit,* payable in advance, \$5 a year. (Not offered in 1944-45.)
- 174 *Quantitative Pharmaceutical Analysis* (4) Tingle
Drug analysis. Prerequisite: Chemistry 22. Material fee, \$9; breakage deposit,* payable in advance, \$5 a year. Tues. and Thurs., 11:10 A.M. Laboratory—Tues. and Thurs., 1:40 to 4:30 P.M.
- 176 *Pharmaceutical Law* (1) Kinner
Fri., 9:10 A.M.
- 178 *Pharmaceutical Economics* (2) Burdine
Fri., 11:10 A.M. to 1:00 P.M.
- 181 *Advanced Pharmacology I* (2)
Special problems and studies in the field of pharmacology. Prerequisite: Pharmacy 106. Prerequisite or concurrent registration: Pharmacy 165. (Not offered in 1944-45.)
- 184 *Advanced Pharmacology II* (2)
Advanced biologicals and glandular products. Prerequisite: Pharmacy 106. Prerequisite or concurrent registration: Pharmacy 166. (Not offered in 1944-45.)
- 186 *Pharmaceutical Chemistry* (2)
A study of the relationship of structure to action of synthetic drugs. Prerequisite: Pharmacy 109. (Not offered in 1944-45.)
- 187-88 *Seminar* (1-1) The Seminar Staff
A symposium covering the various phases of Pharmacy. Fri., 10:10 A.M. (Not offered in 1944-45.)
- 192 *Prescription Practice* (no credit) Forster
The compounding of prescriptions and manufacture of medicinal preparations in the University Hospital Pharmacy. Required of seniors.

* The maximum breakage deposit for two or more courses is \$10. In case the student's breakage totals more than this amount, he will be required to make an additional deposit.

PHILOSOPHY

Christopher Browne Garnett, Jr., Ph.D., Litt.D., Elton Professor
Philosophy, Executive Officer

The major.—The major in philosophy, administered under the new plan, provides an opportunity for the student to become acquainted with the broader and more fundamental aspects of his world and his civilization.

FIRST GROUP

1-2 *Introduction to Philosophy* (3-3)

The course is designed to introduce the student to the vital issues, both theoretical and practical, with which human intelligence is confronted in the present age. Section A: Mon., Wed., and Fri., 11:10 A.M.; section B: Mon., Wed., and Fri., 6:10 P.M.

Summer term 1944.

SECOND GROUP

111-12 *History of Philosophy* (3-3)

A historical survey of the large periods and the main philosophies in the Orient and the Western world. Tues., Thurs., and Sat., 9:10 A.M.

121 *Logic* (3)

A critical study of deductive logic, induction, and the application of the principles of reflective thought in the natural and social sciences.

Summer term 1944.

132 *Ethics* (3)

A study of wisdom in conduct in personal and group life. (Not offered in 1944-45.)

142 *Contemporary American Philosophy* (3)

A comparative study of the general philosophies of Dewey, Peirce, Pratt, Stace, Whitehead, Santayana, and Fite. (Not offered in 1944-45.)

151 *Problems in the Philosophy of the Sixteenth and Seventeenth Centuries* (3)

A comparative study of the general philosophies of Bruno, Descartes, Malebranche, Spinoza, Leibniz, and Newton. (Not offered in 1944-45.)

155-56 *Philosophical Movements in the Eighteenth Century* (3-3)

A study of the general culture of the Enlightenment with special emphasis upon science, art, literature, religion, and politics. Ability to read French and German is desirable. (Not offered in 1944-45.)

199-200 *Proseminar: Readings for the Major* (3-3)

Hours to be arranged.

PHYSICAL EDUCATION FOR MEN*

†James Ebenezer Pixlee, B.S., *Professor of Physical Education for Men*
 William Henry Myers, A.M., *Associate Professor of Physical Education for Men; Executive Officer*
 Milo Frederick Christiansen, B.S., M.R., *Lecturer in Physical Education*
 George Albert Lentz, *Associate in Physical Education for Men*

This Department includes all the recognized athletic activities of the men students of the University.

Two years of physical education (Physical Education 1-2 and 11-12) are required of all men for graduation, except those students exempt under the regulations stated on page 38.

Upon entering the University, all freshmen or other undergraduate students who have not fulfilled the physical education requirement are given a medical examination. Assignments for medical examinations will be given at the time of registration. The students who satisfy the requirements of the medical examination are then given a physical efficiency test in the general bodily skills of agility, endurance, and strength; and in swimming. If the physical efficiency test is passed, the student may elect from the following list of activities, all of which are essential for war training:

- Setting-up Exercises (stretching exercises)
- Military Exercises (self-defensive combative skills)
- Competitive Exercises (modified games and sports)
- Swimming Exercises (distance, speed, and war functioning)

If the physical efficiency test is not passed, the student will be assigned to a class for training in the above activities in the order listed.

The Department furnishes gymnasium uniforms and personal equipment upon a small payment.

Minimum requirements for the Dual-Major Teacher's Course.—See page 118.

Minimum requirements for the Single-Major Teacher's Course.—See page 118.

Minimum requirements for the minor.—Prerequisite: Physical Education 42, 43-44, 45-46 (all of these courses may be satisfied by examination), 47, 49, 58. Required: twelve credit hours of second-group courses in physical education, including 101, 102, and 113-14.

FIRST GROUP

1-2 Freshman Physical Education§ (2-2) The Staff
 Four periods of supervised activity a week. Locker and towel fee, \$2 a term. Assignment for activities and hours to be arranged.

11-12 Sophomore Physical Education§ (2-2) The Staff
 Four periods of supervised activity a week. Locker and towel fee, \$2 a term. Assignment for activities and hours to be arranged.

* The University is not responsible for injuries received in inter-collegiate or intra-mural games, or in any of the activities of the departments of physical education.

† On war leave 1944-45.

§ Freshmen and sophomores in the School of Engineering are required to take two, instead of four, periods of physical education a week for which they receive one, instead of two, credits a term.

42 *Aquatic Sports, Swimming, and Lifesaving* (2)

Fri., 1:00 to 3:00 P.M.

43-44 *Techniques of Physical Education Motor Activities for Freshmen* (2-2)

The Staff

A critical survey of the fundamental skills, rules, organization, appreciations, and attitudes in these activities. Mon. and Wed., 1:40 to 3:30 P.M.

45-46 *Techniques of Physical Education Motor Activities for Sophomores* (2-2)

The Staff

Tues. and Thurs., 1:40 to 3:30 P.M.

47 *Introduction to Physical Education* (2)

Myers

An orientation course presenting in elementary form the problems of physical education, vocational analysis, historical implication, scientific foundations, and scope of field. (Not offered in 1944-45.)

49 *Human Anatomy* (3)

Lawrence

The structure of the human body. Basic course for physical education students. Open to both men and women. Prerequisite: Biology 1-2. Hours to be arranged.

58 *First Aid and Care of Athletic Injuries* (2)

The Staff

Prevention and emergency care of injuries of all types, with special reference to first aid, bandaging, and massage. A practical course. Prerequisite: Physical Education 49; Biology 1-2. Tues. and Thurs., 1:40 P.M.

SECOND GROUP

101 *Nature and Function of Play* (2)

Atwell

The significance of play in human growth and development; social and physical aspects of play; play activities in relation to age levels. Open to both men and women. Tues. and Thurs., 6:10 P.M.

103 *History and Principles of Physical Education* (2)

Myers

The interpretation of objectives of physical education activities under leadership, in terms of development, adjustment, and standards. Open to both men and women. Mon. and Wed., 9:10 A.M.

107 *Introduction to Methods in Physical Education* (2)

Essential facts of education, psychology, and sociology, with special reference to the problem of method in physical education. Prerequisite: Biology 1-2; Psychology 1 and 22; Sociology 27 and 28. (Not offered in 1944-45.)

109 *Leadership Organization in the Intramural Program* (2)

Principles of administration, organization, and supervision of intramural activities in the physical-education program of the junior high

schools, senior high schools, and colleges. Prerequisite: Physical Education 47 and 107. Mon. and Wed., 1:40 P.M.

Physical Education 109x—same as Physical Education 109, but offered winter term. Mon. and Wed., 1:40 P.M.

113-14 *Directed Teaching in Physical Education Activities (2-2)* The Staff

Practical demonstration of teaching procedures in adapting activities to the various problems in the secondary school organization. Prerequisite: a minimum of twelve credit hours in physical education; Physical Education 107. Hours to be arranged.

115-16 *Methods in Major Sport Activities (2-2)* The Staff

Teaching procedures in adapting major sport activities to the several age-period groups and to individual differences existing in the secondary school organization. Prerequisite: demonstration of a fair degree of skill in these various activities; Physical Education 107. (Not offered in 1944-45.)

117-18 *Methods in Minor Sport Activities (2-2)* The Staff

The scientific procedures in adapting these various activities to a secondary school physical-education program. Prerequisite: demonstration of a fair degree of skill in these various activities; Physical Education 107. (Not offered in 1944-45.)

121 *School and Community Health Programs (3)* Myers

Health services, healthful environment, health instruction, sources of material for general health knowledge. Open to both men and women. Prerequisite: Zoology 1-2 or Biology 1-2. Hours to be arranged.

122 *Methods and Materials in Health Education (3)* Woodsen

Organization and presentation of health materials for each age level. Prerequisite: Zoology 1-2 or Biology 1-2. Open to both men and women. Hours to be arranged.

123 *Psychological Analysis of Activities (2)* The Staff

A detailed analysis of the mental processes during participation in physical-education activities. Prerequisite: Psychology 1 and 22. (Not offered in 1944-45.)

124 *Applied Anatomy and Physiology (3)* Myers

The anatomical and physiological effects of physical-education activity. Prerequisite: Physical Education 49; Physiology 115; Zoology 1-2. (Not offered in 1944-45.)

125 *Kinesiology of Sports for the Physically Handicapped (3)* Myers

Methods employed in the teaching of body mechanics which are adapted to the prevention and correction of physical disabilities. Prerequisites: Physical Education 49 and 124; Zoology 1-2. (Not offered in 1944-45.)

131 *Tests and Measurements in Physical Education* (3)

Atwell

Critical survey of tests in physical activities; methods of test construction; elementary statistics. Open to both men and women. Hours to be arranged.

133-34 *Observation and Practice Teaching* (3-3)

Myers

Required of every major student in the junior or senior year. Assignments are made to schools in Washington, D. C., and vicinity. Prerequisites: Education 131; Physical Education 113-14. Hours to be arranged.

138 *Administration and Organization of Physical Education* (2)

Myers

The administration of a unified program; a study of physical education plants, athletic fields, and equipment. Prerequisite: Physical Education 47. Tues. and Thurs., 9:10 A.M.

146 *Administration of Community Recreational Programs* (3)

Christiansen

The administrative organization of recreational projects; related agencies; problems of program content. Field trips, observation, practical work. Prerequisite: Physical Education 101. Open to both men and women. Hours to be arranged.

PHYSICAL EDUCATION FOR WOMEN*

Ruth Harriet Atwell, A.M., *Professor of Physical Education for Women*

Helen Bennett Lawrence, A.M., *Associate Professor of Physical Education for Women, Acting Executive Officer*

†Jenny Emsley Turnbull, A.M., *Assistant Professor of Physical Education for Women*

Elizabeth Burtner, A.M., *Assistant Professor of Physical Education for Women*

Camille Jacob Craig, B.S., *Instructor in Physical Education for Women*

Edith Grosvenor Woodson, B.S., *Associate in Physical Education for Women*

Two years of physical education (Physical Education 1-2 and 11-12) are required of all women for graduation, except of students exempt under the regulations stated on page 38. In the fall a complete medical and physical examination is given each student for the purpose of discovering individual needs. Those students whose examinations indicate the desirability of remedial or restricted activity are assigned to a program especially adapted to their needs. This limited program includes moderate sports and individual body mechanics in small groups under careful supervision.

The required costume for physical education classes may be purchased at the Student Club.

Minimum requirements for the major.—For the first two years in Junior College see page 52. For the last two years in the School of Education see page 119. Students desiring to prepare themselves to teach another subject in addition to physical education may do so by choosing their elective hours in one subject-matter field with the advice of the Dean of the School of Education.

FIRST GROUP

1-2 *Freshman Physical Education (1-1)*

The Staff

One period on fundamentals of hygiene and two periods of activity a week.

Hygiene: study of a well-balanced program for daily living based on the general physiological laws of personal hygiene. Section A: Thurs., 12:10 P.M.; section B: Tues., 12:10 P.M.; section C: Wed., 12:10 P.M.

Activities: fall season, soccer or field hockey; winter season, dance, basketball, badminton, ice skating, or individual body mechanics; spring season, elementary, intermediate, or advanced swimming, or (if the swimming test has been passed) archery, canoeing, riding, golf, tennis, or bicycling. Locker and towel fee, § 2 a term. Section A: Mon. and Fri., 1:40 P.M.; section B: Tues. and Thurs., 1:40 P.M.; section C: Mon. and Fri., 2:40 P.M.; section D: Tues. and Thurs., 2:40 P.M.

* The University is not responsible for injuries received in inter-collegiate or intra-mural games, or in any of the activities of the departments of physical education.
† On war leave 1944-45.

§ The locker and towel fee is required for registration in one or more of the activity courses.

11-12 Sophomore Physical Education (1-1)

The Staff

Two periods of activity a week. Fall season, field hockey, soccer, golf, archery, tennis, or riding; winter season, dance, basketball, badminton, ice skating, or individual body mechanics; spring season, swimming, or (if the swimming test has been passed) tennis, golf, riding, archery, canoeing, or bicycling. Locker and towel fee,* \$2 a term. Section A: Tues. and Thurs., 9:10 A.M.; section B: Mon. and Fri., 12:10 P.M.; section C: Mon. and Fri., 1:40 P.M.; section D: Tues. and Thurs., 1:40 P.M.; section E: Mon. and Fri., 2:40 P.M.; section F: Tues. and Thurs., 2:40 P.M.

13-14 Skill Techniques in Physical Education Activities (2-2)

The Staff

Practice in basic motor skills for prospective teachers in the following: (1) team sports—field hockey, soccer, basketball, softball, and baseball; (2) dance—folk, tap, modern; (3) body mechanics; (4) individual and dual sports—swimming, tennis, golf, badminton, archery; (5) graded games for all ages; (6) self-testing activities—tumbling, stunts, achievement tests. Programs are arranged according to individual needs. Locker and towel fee,* \$2 a term. Wed., 1:40 to 4:30 P.M.; other hours to be arranged.

15-16 Skill Techniques in Physical Education Activities (2-2)

The Staff

Continuation of Physical Education 13-14. Locker and towel fee,* \$2 a term. Wed., 1:40 to 4:30 P.M.; other hours to be arranged.

18 Kinesiology (3)

Lawrence

A study of the anatomical mechanism of movement; analysis of the action of the muscles in physical-education activities. Prerequisite: Biology 1-2 or Zoology 1-2 and an approved course in anatomy. Mon., Wed., and Fri., 9:10 A.M.

49 Human Anatomy (3)

Lawrence

The structure of the human body. Basic course for physical education students. Open to both men and women. Prerequisite: Biology 1-2 or Zoology 1-2. Hours to be arranged.

SECOND GROUP**101 Nature and Function of Play (2)**

Atwell

The significance of play in human growth and development; social and physical aspects of play; play activities in relation to age levels. Open to both men and women. Tues. and Thurs., 6:10 P.M.

103 History and Principles of Physical Education (2)

Myers

The interpretation of objectives of physical education activities under leadership, in terms of development, adjustment, and standards. Open to both men and women. Mon. and Wed., 9:10 A.M.

* The locker and towel fee is required for registration in one or more of the activity courses.

105-6 Individual Body Mechanics and Physical Examinations (3-3) Lawrence

Cause and correction of faulty body mechanics and other abnormal physical conditions; physical-examination methods used in the diagnosis of physical defects; program adaptation to special cases. Prerequisite: Physical Education 18; Zoology 1-2 or Biology 1-2 and an approved course in anatomy. Mon., Wed., and Fri., 10:10 A.M.

111-12 Methods of Teaching Physical Education Activities (2-2) The Staff

Teaching procedures and officiating, with opportunities for practice in teaching the following: (1) team sports; (2) individual and dual sports; (3) graded games; (4) dance; (5) body mechanics. Locker and towel fee,* \$2 a term. Wed., 1:40 to 4:30 P.M.; other hours to be arranged.

119-20 Methods of Teaching Physical Education Activities (2-2) The Staff

Continuation of Physical Education 109-10. Locker and towel fee,* \$2 a term. Wed., 1:40 to 4:30 P.M.; other hours to be arranged.

121 School and Community Health Programs (3) Myers

Health services, healthful environment, health instruction, sources of material for general health knowledge. Open to both men and women. Prerequisite: Zoology 1-2 or Biology 1-2. Hours to be arranged.

122 Methods and Materials of Health Instruction (3) Woodson

Organization and presentation of health materials for each age level. Prerequisite: Zoology 1-2 or Biology 1-2. Open to both men and women.

130 Clinical Work in Individual Body Mechanics and Physical Examinations (3) Lawrence

Practice in giving physical examinations, analysis of results, prescription and teaching of corrective exercises; observation in orthopedic clinics in city; first aid and care of athletic injuries, with instruction in bandaging and massage. Prerequisite: Physical Education 18 and 105-6; Zoology 1-2 or Biology 1-2. Hours to be arranged.

131 Tests and Measurements in Physical Education (3) Atwell

Critical survey of tests in physical activities; methods of test construction; elementary statistics. Open to both men and women. Hours to be arranged.

132 Camp Leadership (1) Atwell and Lecturers

Philosophy and administration of modern camps. Lectures and discussions by specialists in the various phases of camping; field trips; workshop in camp activities; seminar on camp administration. Additional credit for field work in camp under supervision may be arranged. Open to both men and women. Thurs., 7:30 to 9:30 P.M.

* The locker and towel fee is required for registration in one or more of the activity courses.

- 133-34 *Observation and Cadet Teaching (3-3)* Atwell, Burtner
Directed teaching with weekly conferences in junior and senior high schools.
- 140 *Administration of Physical Education (3)* Atwell
Organization and administration of physical education in elementary and secondary schools and colleges. Prerequisite: Physical Education 101 and 103 Mon., Wed., and Fri., 9:10 A.M.
- 146 *Administration of Community Recreational Programs (3)* Christiansen
The administrative organization of recreational projects; social organization of recreation; problems of program content. Field trips; observation; practice work. Prerequisite: Physical Education 101. Open to both men and women.

PHYSICS

Thomas Benjamin Brown, Ph.D., *Professor of Physics, Executive Officer*

Walter Lynn Cheney, Ph.D., *Professor of Physics*

George Antony Gamow, Physics D., *Professor of Theoretical Physics*

*Edward Teller, Ph.D., *Professor of Physics*

*Raymond John Seeger, Ph.D., *Associate Professor of Physics*

Jacob Cull French, B.S., *Instructor in Physics*

George Martin Koehl, A.M., *Associate in Physics*

The major.—Prerequisite: Physics 6, 7, 8, and 55; Chemistry 12; Mathematics 19 and 20. Required for the Bachelor of Arts degree: Physics 116, 121, 125 (or Electrical Engineering 9 and 10); Mathematics 132; nine credit hours from Physics 113-14, 122, 128, 132, and 161; three credit hours from Physics 143-44 and 155. Required for Bachelor of Science degree: same as for the Bachelor of Arts degree, plus Mathematics 171.

FIRST GROUP

5 *General Physics*† (3)

Cheney and Staff

Introduction to the scientific method as used in the study of energy and forces; physical properties of solids, liquids, and gases; phenomena of heat and light. Prerequisite: high school algebra and plane geometry. Material fee, \$6. Lecture—section A: Tues., 11:10 A.M.; section B: Tues., 6:10 P.M. Recitation and laboratory—section L: Thurs., 11:10 A.M., and Wed., 1:40 to 4:00 P.M.; section M: Thurs., 1:40 and 2:40 to 5:00 P.M.; section N: Fri., 1:40 and 2:40 to 5:00 P.M.; section R: Thurs., 6:10 and Tues., 8:00 to 10:30 P.M.; section T: Thurs., 7:10 and 8:00 to 10:30 P.M.

Physics 5x—same as Physics 5, but offered winter term. Section A: Lecture—Mon., 11:10 A.M., Recitation—Fri., 1:00 P.M., Laboratory—Fri., 2:00 to 4:30 P.M.; section B: Lecture—Mon., 7:10 P.M., Recitation—Wed., 7:10 P.M., Laboratory—Wed., 8:00 to 10:30 P.M.

6 *General Physics*‡ (3)

Cheney and Staff

Mechanics, wave-motion, sound, and the theory of optical instruments. Offered winter term. Prerequisite: Physics 5; high school algebra and plane geometry. Material fee, \$6. Lecture—section A: Tues., 11:10 A.M.; section B: Tues., 6:10 P.M. Recitation and laboratory—section L: Thurs., 11:10 A.M. and Wed., 1:40 to 3:30 P.M.; section M: Thurs., 1:40 and 2:40 to 4:30 P.M.; section N: Fri., 1:40 and 2:40 to 4:30 P.M.; section P: Thurs., 6:10 and Mon., 8:00 to 10:00 P.M.; section R: Thurs., 7:10 and Tues., 8:00 to 10:00 P.M.; section S: Thurs., 6:10 and Wed., 8:00 to 10:00 P.M.

Summer term 1944.

* On war leave 1944-45.

† Physics 6, 7, and 8 constitute the basic course in physics. Students who have credit for high school physics from an accredited high school may omit Physics 5 as a prerequisite to Physics 6 and 7, provided that they pass a qualifying examination given at the beginning of the course (Physics 6 or Physics 7).

‡ Before completing registration for Physics 5, 6, 7, or 55, each student must obtain from the representative of the Department an assignment to a class section.

7 *General Physics** (3)

Brown and Staff

Electricity; magnetism; the principles underlying the uses of electric power in everyday life. Offered fall term. Prerequisite: Physics 5; high school algebra and plane geometry. Material fee, \$6. Lecture—section A: Thurs., 11:10 A.M.; section B: Thurs., 6:10 P.M. Recitation and laboratory—section K: Tues., 1:40 and 2:40 to 4:30 P.M.; section L: Wed., 1:40 and 2:40 to 4:30 P.M.; section N: Tues., 11:10 A.M. and Fri., 1:40 to 3:30 P.M.; section P: Tues., 6:10 and Mon., 8:00 to 10:00 P.M.; section R: Tues., 7:10 and 8:00 to 10:00 P.M.; section S: Tues., 6:10 and Wed., 8:00 to 10:00 P.M.

Summer term 1944.

8 *General Physics** (2)

Brown

The experimental evidence concerning the nature of light, electricity, and matter; practical developments of modern physics, such as X-ray apparatus, electron tubes, and radio. Prerequisite: Physics 6 and 7. Section A: Tues. and Thurs., 11:10 A.M.; section B: Tues. and Thurs., 6:10 P.M.

Summer term 1944 (Cheney).

55 *Physical Measurements** (2)

Brown

Theory and use of the methods of precise measurement in the several fields of physics. Prerequisite: Physics 6 and 7. Prerequisite or concurrent registration: Mathematics 19. Material fee, \$6. Section A: Thurs., 1:40 P.M.; laboratory—Thurs., 2:40 to 4:30 P.M.; section B: Wed., 7:10 P.M.; laboratory—Fri., 7:00 to 9:00 P.M.

SECOND GROUP

113-14 *Molecular and Atomic Physics* (3-3)

Gamow

Constituent particles of matter; kinetic theory and the properties of macroscopic bodies; spectra and the structure of atoms and molecules; introduction to chemical physics. Prerequisite: Physics 8; Mathematics 20. Tues. and Thurs., 7:35 to 8:50 P.M.

116 *Optics* (3)

Gamow

Geometrical optics; elementary theory of wave motion; interference, diffraction, polarization, and dispersion of light; laws of black-body radiation. Prerequisite: Physics 8; Mathematics 20. (Not offered 1944-45.)

Summer term 1944.

121 *Mechanics* (3)

Cheney

Statics, elasticity, dynamics of solids and fluids, and gravitation. Prerequisite: Physics 6; Mathematics 20. Mon., Wed., and Fri., 6:10 P.M.

122 *Heat and Thermodynamics* (3)

Cheney

Thermometry, calorimetry, heat conduction, the laws of thermodynamics with application to physical systems. Prerequisite: Physics 8; Mathematics 20. (Not offered in 1944-45.)

* Physics 6, 7, and 8 constitute the basic course in physics. Students who have credit for high school physics from an accredited high school may omit Physics 5 as a prerequisite in Physics 6 and 7, provided that they pass a qualifying examination given at the beginning of the course (Physics 6 or Physics 7).

Before completing registration for Physics 5, 6, 7, or 55, each student must obtain from the representative of the Department an assignment to a class section.

- 125 Principles of Electricity (3)** Cheney
Fundamental phenomena of electricity and magnetism; circuit theory, including elementary alternating-current circuits; terrestrial magnetism; atmospheric electricity. Prerequisite: Physics 8; Mathematics 20. (Not offered in 1944-45.)

- 128 Sound (3)** Cheney
Production, propagation, and detection of sound waves; vibrations of sounding bodies; acoustic instruments and acoustic measurements. Prerequisite: Physics 8; Mathematics 20. 1944-45 and alternate years, Mon., Wed., and Fri., 6:10 P.M.

- 132 Electronics (3)** Brown
The phenomena of electron emission from solids; the physical properties of electron tubes, and the principles underlying their basic applications. Prerequisite: Physics 8 and 55, and Physics 125 or Electrical Engineering 10. Material fee, \$6. Lecture—Mon. and Wed., 7:10 P.M. Laboratory—Mon., 8:10 to 10:00 P.M.

- 143-44 Modern Experimental Physics (3-3)** Brown
Experimental methods for the study of the physical properties of electrons, atoms, and molecules. Prerequisite: Physics 8 and 55; Mathematics 20. Material fee, \$6 a term. (Not offered in 1944-45.)

- 155 Advanced Physical Measurements (3)** Brown
An individual program of experiments arranged for each student in accordance with his preparation and his special interests. Prerequisite: Physics 55 and one course from Physics 116, 121, 125 (or Electrical Engineering 9 and 10). Material fee, \$6. Tues. and Thurs., 7:35 to 10:00 P.M.

- 161 Nuclear Physics (3)** Gamow
Radioactivity, nuclear transformations, new particles; astrophysical applications. Prerequisite: Physics 113-14. (Not offered in 1944-45.)

THIRD GROUP

- 201-2 Modern Physical Theories (3-3)** Gamow
Elements of relativity, quantum theory, and nuclear physics. Prerequisite: Physics 113-14. Tues. and Thurs., 6:10 to 7:25 P.M.

- 211-12 Classical Physical Theory (3-3)** Brown, Cheney
Fall term: dynamics of systems of particles and of rigid bodies; generalized coordinates. Winter term: dynamics of elastic bodies and fluids; electromagnetic field theory. Prerequisite: Physics 121, 122, and 125; Mathematics 132 and 171. Mon., Wed., and Fri., 7:10 P.M. Summer term 1944—Physics 211 (3).

- 213-14 Electromagnetic Radiation (3-3)** Brown
Electromagnetic theory as applied to light and radio waves, with especial consideration given to "micro-waves". Prerequisite: Physics 125 and 132 or the equivalent. 1945-46 and alternate years, Mon., Wed., and Fri., 6:10 P.M.

217-18 *Statistical Physics* (3-3)

Foundations of classical and quantum statistics; kinetic theory of gases; fluctuation phenomena; thermodynamic properties of matter and radiation. Prerequisite: Physics 113-14, 121, and 122. 1944-45 and alternate years, Mon., Wed., and Fri., 6:10 P.M.

221-22 *Quantum Mechanics* (3-3)

Formulation and application of laws holding within the atom; the relation of these laws to those of classical physics. Prerequisite: Physics 113-14 and 211-12. (Not offered in 1944-45.)

266 *Relativity and Gravitational Theory* (3)

Basic principles; relativistic mechanics and electrodynamics; theory of gravitation; cosmology. Prerequisite: Physics 211-12. (Not offered in 1944-45.)

Gamow

275 *Structure of Stars* (3)

Advanced work on stellar structure and energy sources. on a conference basis, admission by special permission.

Gamow
Either term291-92 *Seminar: Recent Developments in Physics*
(1-1)

Individual investigations of special problems. All students registered for a Master's degree in physics are required to attend this seminar during the time they are working for this degree. They may register for credit for a maximum of three credit hours. Wed., 8:00 to 10:00 P.M., alternate weeks.

The Staff

299-300 *Thesis* (3-3)

The Staff

PHYSIOLOGY

Errett Cyril Albritton, A.B., M.D., *Professor of Physiology, Executive Officer*

Chester Elwood Leese, Ph.D., *Associate Professor of Physiology*

Robert Custis Grubbs, M.S., M.D., *Assistant Professor of Physiology*

115 Physiology (3) Leese and Staff
Lectures for academic students covering the fundamentals of physiology in its various subdivisions. Prerequisite: one year of general science or one term of a biological science. Section A: Tues., Thurs., and Sat., 9:10 A.M.; section B: Tues. and Thurs., 5:10 to 6:25 P.M.

117 Physiology (1) Grubbs
Laboratory exercises in the fundamentals of physiology, for academic students. Prerequisite: Physiology 115 or the equivalent. The two, 115 and 117, may be taken concurrently. Material fee, \$12. Sat., 10:10 A.M. to 1:00 P.M.

132 Physiology Albritton and Staff
Sixteen physiological lectures in each of the following divisions, each as a unit: (1) blood, heart, circulation, respiration, and acid-base balance; (2) nutrition, digestion, metabolism, excretion, temperature regulation, and water balance; (3) sensory reception, central nervous processes, and somatic and visceral motor activity; (4) the endocrine glands and reproduction.

134 Experimental Physiology Albritton and Staff
Laboratory work in each of the divisions listed in Physiology 132. Nine hours a week.

137 First Aid Grubbs
Lectures by the staff and practical exercises conducted by qualified Red Cross First Aid instructors designed to enable the student to complete the "standard" course in First Aid and to appreciate the value and limitations of such training. One hour a week.

200 Physiology of Activity (1 or 2) Albritton
The circulatory, respiratory, endocrine, metabolic, and other adaptations, immediate and long term, accompanying and affecting activity. May be taken for two credits with additional work. Prerequisite: Physiology 115 or the equivalent. Tues., 9:10 A.M.

269-70 Problems in Physiology Albritton and Staff
Hours and credits to be arranged.

272 Experimental Method Albritton
Design of controlled experiments in medical or biological investigation; errors in design; criticism and judgment of evidence, and tests of the statistical significance of experimental results. May be taken for one credit with additional work. Eight lectures, hours to be arranged.

274 *The Psycho-Physiology of Personality*

Lectures on the genesis and expression of personality, with emphasis on the physiological approach. May be taken for one credit with additional work. Eight lectures, hours to be arranged.

Leese

275-76 *Research*

Hours and credits to be arranged.

Albritton and Staff

POLITICAL SCIENCE

Warren Reed West, Ph.D., *Professor of Political Science, Executive Officer*

William Crane Johnstone, Jr., Ph.D., *Professor of Political Science*

Charles Hyneman, Ph.D., *Professorial Lecturer on Public Administration*

John Albert Tillema, Ph.D., LL.M., S.J.D., *Associate Professor of Political Science*

*John Withrow Brewer, Ph.D., *Associate Professor of International Law*

Robert Carnell Sampson, A.M., *Lecturer on Public Personnel Administration*

Minimum requirements for the major.—Prerequisite: Political Science 9-10. Required: twenty-four credit hours from the following groups distributed as follows: six hours from Group A; six hours from Group B; six hours from Group A, B, or C; six hours from Group A, B, C, or D.
Group A: Political Science 111, 112, 117, 121, 122. Group B: Political Science 171, 172, 181. Group C: Political Science 115, 116, 124, 141, 151, 152, 161, 164, 192, 193, 194, 294. Group D: Political Science 127, 128, 129, 130.

FIRST GROUP

9-10 *Government of the United States*† West, Tillema
(3-3)

Section A: Mon., Wed., and Fri., 10:10 A.M.; section B: Tues. and Thurs., 6:10 to 7:25 P.M.

Political Science 9x—same as Political Science 9, but offered winter term. Mon., Wed., and Fri., 5:10 P.M.

Political Science 10x—same as Political Science 10, but offered fall term. Mon., Wed., and Fri., 5:10 P.M.

Summer term 1944.

SECOND GROUP†

111 *The Governments of Europe: the Democracies* (3) Tillema
Mon., Wed., and Fri., 9:10 A.M.

Summer term 1944.

112 *The Governments of Europe: the Dictator States* (3) Tillema
Mon., Wed., and Fri., 9:10 A.M.

* On war leave 1944-45.

† Political Science 9-10 is prerequisite to all second-group courses.

- 115 *Municipal Government* (3)
(Not offered in 1944-45.)
- 116 *Political Parties* (3)
(Not offered in 1944-45.)
- 117 *Political Theory* (3)
Summer term 1944.
- 121-22 *The Constitution of the United States* (3-3)
Mon., Wed., and Fri., 5:10 P.M.
- 124 *Legislative Organization* (3)
(Not offered in 1944-45.)
- 127 *Commercial Law: Contracts, Agency, and Bailments* (3)
Section A: Tues., Thurs., and Sat., 9:10 A.M.; section B: Mon., Wed., and Fri., 6:10 P.M.
- 128 *Commercial Law: Negotiable Instruments, Property, Sales, Mortgages* (3)
Section A: Tues., Thurs., and Sat., 9:10 A.M.; section B: Mon., Wed., and Fri., 6:10 P.M.
- 129 *Law in Relation to the Form of Business Units* (3)
(Not offered in 1944-45.)
- 130 *Maritime Law* (3)
(Not offered in 1944-45.)
- 141 *The Development of Legal Institutions* (3)
(Not offered in 1944-45.)
- 151-52 *Public Administration* (3-3)
Tues. and Thurs., 6:10 to 7:25 P.M.
- 161 *Administrative Law* (3)
(Not offered in 1944-45.)
- 164 *Governmental Budgeting* (3)
(Not offered in 1944-45.)
- 171 *International Politics and Organization* (3)
Mon., Wed., and Fri., 10:10 A.M.
Summer term 1944.
- 172 *Post-war Problems of International Politics and Organization* (3)
Mon., Wed., and Fri., 10:10 A.M.
- 181 *International Law* (3)
Mon., Wed., and Fri., 6:10 P.M.

West

West

West

Tillema

Mon., Wed.

Tillema

Mon., Wed.

Tillema

Tillema

Brewer

Hyneman

Tillema

Johnstone

Johnstone

Johnstone

- 192 *The Near East: Politics and Government since 1878* (3) Johnstone
(Not offered in 1944-45.)
- 193 *Far Eastern Governments: China, India, Japan, and Colonial Dependencies* (3) Johnstone
(Not offered in 1944-45.)
- 194 *Far Eastern Politics: Contemporary International Relations in the Pacific Area* (3) Johnstone
Mon., Wed., and Fri., 6:10 P.M.
- 199-200 *Proseminar: Readings for International Relations Major* (3-3) Johnstone
Hours to be arranged.

THIRD GROUP

- 209-10 *Seminar: Congress and the President* (3-3) West
Thurs., 8:10 P.M.
- 241 *Seminar: Personnel Management in the Operating Agency* (3) Sampson
Wed., 8:10 P.M.
- 243 *Seminar: Classification in the Public Service* (3) Sampson
(Not offered in 1944-45.)
- 244 *Seminar: Public Personnel Problems* (3) Hubbard
Prerequisite: Psychology 143-44 or equivalent experience. Particular emphasis will be placed upon personnel problems of the war and post-war periods. Mon., 8:10 P.M.
- 282 *Seminar: International Law and Relations* (3) Johnstone
Wed., 8:10 P.M.
Summer term 1944.
- 293 *Seminar: Politics and Governments in the Pacific Area* (3) Johnstone
Wed., 8:10 P.M.
- 299-300 *Thesis* (3-3) The Staff
Hours to be arranged.

PSYCHIATRY

Winfred Overholser, A.B., M.D., Sc.D., *Professor of Psychiatry, Executive Officer*

Roscoe Willis Hall, Ph.B., M.D., *Clinical Professor of Psychiatry*

Solomon Katzenelbogen, M.D., *Clinical Professor of Psychiatry*

Harriet Elizabeth Twombly, A.B., M.D., *Associate in Psychiatry*

Addison McGuire Duval, M.D., *Associate in Psychiatry*

Samuel Alexander Silk, Ph.G., M.D., *Associate in Psychiatry*

Edgar Deucher Griffin, A.B., M.D., *Associate in Psychiatry*

Paul Jacob Ewerhardt, M.D., *Clinical Instructor in Psychiatry*

Isabelle Kendig, Ph.D., *Clinical Instructor in Psychiatry*

- 136 *Introductory Medical Psychology* Overholser and Staff
Theoretical and practical aspects of the constitution, character, and personality as related to medicine; psychological features in various diseases; types of character development and their ways of adaptation. One hour a week.
- 278 *Psychopathology* Hall
Manifestations and understanding of various abnormal mental mechanisms and reaction-types, illustrated with suitable case material, and preceded by history of development of psychopathology. One hour a week.
- 366 *Psychiatry* Overholser
Major psychoses, illustrated by the presentation of clinical material and utilized for the purpose of explaining the fundamental psychological mechanisms involved. St. Elizabeths Hospital. One hour a week.
- 368 *Psychosomatic Aspects of General Medicine* Katzenelbogen
Somatic disorders of functional origin versus organic structural disorders. The role of personality reactions in somatic disorders (illustrative cases). Gallinger Hospital. One hour a week.
- 370 *Personality Adjustments* Ewerhardt
Maladaptations occurring in childhood and youth. One hour a week for eight weeks.
- 427-28 *Psychological Techniques in Psychiatric Practice* Kendig
Discussion of psychological concepts and tools available for determination of intellectual level, personality structure, functional impairment, and organic deterioration. One hour a week for four weeks.

473-74 *Ward Work*

The Staff

Personal mental examinations and formal written report of the examination of the various types of psychosis, followed by a review of the cases with an instructor. St. Elizabeths Hospital. Two hours a week.

475 *Psychoneurosis*

Overholser and Staff

The clinical aspects, the etiology, the psychopathology, and the treatment of the various psychoneuroses. One hour a week for twelve weeks.

PSYCHOLOGY

- *Mitchell Dreese, Ph.D., *Professor of Educational Psychology*
 Thelma Hunt, Ph.D., M.D., *Professor of Psychology, Executive Officer*
 Henry Furness Hubbard, Ph.D., *Adjunct Professor of Psychology*
 Carroll Leonard Shartle, Ph.D., *Professorial Lecturer in Psychology*
 *Steuart Henderson Britt, Ph.D., *Assistant Professor of Psychology*
 Elizabeth Fehrer, Ph.D., *Assistant Professor of Psychology*
 William Moore Loman, A.M., *Lecturer in Psychology*
 Carolyn Lehman McGowan, A.M., *Lecturer in Psychology*
 Katharine Tait Omwake, Ph.D., *Visiting Lecturer in Psychology*
 *Charles Norval Cofer, Ph.D., *Instructor in Educational Psychology*

Minimum requirements for the major.—Prerequisite: Psychology 1 and three credit hours of any other first-group course in psychology. Required: Psychology 116, 191, 195, 196, and either 125 or 151; Physiology 115; Statistics 100, or 103-4; and nine credit hours elective in psychology, or closely related fields or departments if specifically approved in advance by the Department of Psychology.

FIRST GROUP

1 General Psychology† (3)

Hunt, Fehrer
 The fundamental principles underlying human behavior. Section A: Mon., Wed., and Fri., 10:10 A.M.; section B: Tues., Thurs., and Sat., 9:10 A.M.; section C: Mon., Wed., and Fri., 6:10 P.M.; section D: Tues. and Thurs., 7:35 to 8:50 P.M.

Psychology 1X—same as Psychology 1, but offered winter term. Section A: Mon., Wed., and Fri., 9:10 A.M.; section B: Mon., Wed., and Fri., 7:10 P.M.

Summer term 1944.

2 Applied Psychology (3)

Hunt, Fehrer
 The applications of psychology in business, industry, medicine, law, guidance, education, and social problems. Section A: Mon., Wed., and Fri., 10:10 A.M.; section B: Mon., Wed., and Fri., 6:10 P.M.; section C: Tues. and Thurs., 7:35 to 8:50 P.M.

Psychology 2X—same as Psychology 2, but offered fall term. Mon., Wed., and Fri., 9:10 A.M.

Summer term 1944.

22 Introduction to Educational Psychology (3)

Individual differences and their significance in education and training; the psychology of learning. Tues., Thurs., and Sat., 10:10 A.M.

SECOND GROUP†

116 Abnormal Psychology (3)

Hunt
 The causes, diagnosis, treatment, and prevention of the various types

* On war leave 1944-45.

† Psychology 1 is prerequisite to all other courses in psychology.

of maladjustments and mental disorders. Mon., Wed., and Fri., 11:10 A.M.

Summer term 1944.

121 *Educational Psychology* (3)

Individual differences and their significance in education and training; the psychology of learning. Parallels Psychology 22, but is designed for the more advanced student. Mon., Wed., and Fri., 11:10 A.M.

125 *Child Psychology* (3)

A genetic approach to the study of the child. Mon., Wed., and Fri., 7:10 P.M.

Psychology 125Z—same as Psychology 125, but offered winter term. Mon., Wed., and Fri., 9:10 A.M.

Summer term 1944.

127 *Occupational and Industrial Information* (3)

Shartle

Information concerning occupations and industries; job analysis; preparation of job descriptions, specifications, and manning tables; review of published sources of occupational and industrial information; classifications and relationships of occupations; supervised field work. Wed., 8:10 P.M.

129 *Educational and Vocational Guidance* (2)

A survey of the techniques used in guidance. Tues., 7:35 P.M.

131 *Psychological Tests* (3)

Hunt

A survey of psychological tests and their more common uses in business, industry, government, law, medicine, and education. Material fee, \$2.25. Tues. and Thurs., 6:10 to 7:25 P.M.

Summer term 1944.

132 *Individual Psychological Testing* (3)

Hunt

Instruction and practice in the giving of the Binet test and other individual psychological tests. Prerequisite: Psychology 131 or 134. Material fee, \$2.25. May be offered to a limited number of students on independent study plan.

134 *Educational and Psychological Measurements* (2)

The construction and use of the newer types of educational and psychological tests. In exceptional cases, opportunity to earn three credit hours may be arranged. Material fee, \$2.25. Mon., 8:10 P.M.

141 *Psychology of Advertising and Selling* (3)

Loman

Fundamental procedures of advertising and selling, with emphasis on the application of psychological principles. Tues. and Thurs., 7:35 to 8:50 P.M.

142 *Business and Industrial Psychology* (3)

Loman

Job analysis; selection, placement, and promotion of personnel; instruction in the use of standardized tests and research methods in cooperation with local industrial personnel officers. Tues. and Thurs., 7:35 to 8:50 P.M.

143-44 Public Personnel Psychology (3-3)

Hubbard

Fall term: personnel selection; winter term: inservice personnel activities. Mon., Wed., and Fri., 6:10 P.M.

Summer term 1944—Psychology 143 (3).

146 Employee Counseling (3)

McGowan

A study of the principles and techniques of individual counseling as applied to employees, with special reference to the problems of counselors in government departments. Hours to be arranged.

Summer term 1944.

148 Rehabilitation of the Handicapped (3)

Hunt

Rehabilitation agencies and organizations; types of handicaps; disability rating and evaluation; restoration; educational and vocational training; and selective occupational placement. Hours to be arranged.

151 Social Psychology (3)

The social foundations of attitudes, behavior, and adjustment, especially in the family, neighborhood, school, church, fraternity, political party, occupation, and other group situations. Tues., Thurs., and Sat. 10:10 A.M.

Psychology 151x—same as Psychology 151, but offered winter term. Tues. and Thurs., 6:10 to 7:25 P.M.

Summer term 1944.

156 Propaganda and Public Opinion (3)

A consideration of the processes by which individuals and groups arrive at attitudes concerning public issues, together with the means by which, particularly in war time, publics are influenced in various directions. Some attention will be paid to problems of opinion and attitude measurement. Thurs., 7:35 to 9:15 P.M.

162 Comparative Psychology (3)

Fehrer

A survey of psychological phenomena in infrahuman organisms, with special emphasis on the evolution of animal behavior from the lowest forms to man. Mon., Wed., and Fri., 10:10 A.M.

191-92 Experimental Psychology (3-3)

Fehrer

The application of experimental methods to various psychological problems. Psychology 191 is prerequisite to 192. Material fee \$6 a term. 191: Tues. and Thurs., 6:10 to 7:25 P.M. 192: Hours to be arranged.

195 Current Literature and Survey of Fields (3)

Fehrer

A coordinated resume of the major fields, critical reports on special topics, and reading of current psychological literature. Tues., 1:10 to 2:50 P.M.

196 History and Systems of Psychology (3)

Fehrer

A critical survey of the history of psychology and of contemporary points of view. Tues., 1:10 to 2:50 P.M.

- 197-98 *Field Work in Psychology* (3-3) The Staff
Supervised field work in agencies providing psychological service. Admission by permission of the Executive Officer of the Department.
Hours to be arranged.

THIRD GROUP*

- 201 *Seminar: Advanced General Psychology* (3) Fehrer
General review of the field for graduate students with an intensive study of selected problems. Hours to be arranged.
- 203-4 *Research in Psychology* The Staff
Hours and credits to be arranged.
Summer term 1944.
- 218 *Structural Factors in Behavior* (3) Hunt
A study of the endocrine glands as they affect behavior. Tues. and Thurs., 6:10 to 7:25 P.M.
- 221 *Seminar: Educational Psychology* (3)
A survey of recent literature on individual differences and learning, with emphasis on their educational applications. (Not offered in 1944-45.)
- 226 *Seminar: Clinical Psychology of Childhood* (3) Hunt
A study of behavior problems, personality disturbances, and mental disorders of children, with clinic observations at Children's Hospital. Offered each term on the independent study plan to a limited number of students.
- 227 *Seminar: Techniques of Counseling* (3)
A survey of counseling techniques and the types of problems most likely to confront homeroom teachers, vocational counselors, and personnel workers. (Not offered in 1944-45.)
- 230 *Seminar: Educational and Vocational Guidance* (3)
The development of instruments and techniques to be used in guidance. Hours to be arranged.
- 231 *Seminar: Test Construction* (3) Hunt
The principles underlying the construction, evaluation, and standardization of psychological, educational, and vocational tests, with practice in the construction of tests. Prerequisites: an elementary course in tests and measurements and an elementary course in statistics. Thurs., 7:35 P.M.
- 232 *Research: Test Construction* (3) Hunt
Individual projects in construction and evaluation of psychological, educational, or vocational tests. Prerequisite: Psychology 231. Hours to be arranged.

* Psychology 1 is prerequisite to all other courses in psychology.

- 233x *Seminar: Occupational Analysis Methods* (3) Shartle
 The methods and principles of analyzing jobs and workers in determining the occupational significance of techniques and data for occupational counseling, placement of workers, and transfer of skill. Prerequisite: Psychological Tests or Educational Measurements. Wed.
 8:10 P.M.

299-300 *Thesis* (3-3)

The Staff

CLOSELY RELATED COURSES IN OTHER DEPARTMENTS

- Political Science 241, *Seminar: Personnel Management in the Operating Agency*
 Political Science 244, *Seminar: Public Personnel Problems*
 Economics 140, *Occupational Trends*.

ROMANCE LANGUAGES AND LITERATURES

*Henry Grattan Doyle, A.M., *Professor of Romance Languages*
Merle Irving Protzman, Ph.D., *Professor of Romance Languages, Executive Officer*

Alan Thomas Deibert, A.M., *Associate Professor of Romance Languages*
*Louis Clark Keating, Ph.D., *Associate Professor of Romance Languages*

Irene Cornwell, Ph.D., *Associate Professor of French*

Antonio Alonso, A.M., *Associate Professor of Spanish*

José Edmundo Espinosa, Ph.D., *Lecturer on Spanish American Literature*

Georgette DuPuy Caskie, L.-ès-L., *Instructor in Romance Languages*

Raul d'Eça, Ph.D., *Associate in Portuguese*

The majors.—The Department of Romance Languages offers three majors administered under the new plan, and provides proseminars intended to assist the student in preparing himself for the respective major examinations. These are: (1) a *Major in French Literature* (proseminar: French 199-200); (2) a *Major in Spanish Literature* (proseminar: Spanish 199-200); and (3) a *Major in Spanish American Literature* (proseminar: Spanish 197-98). The members of the staff in charge of the respective proseminars are designated as advisers in the respective fields. In these majors, emphasis will be laid upon the political, social, and cultural background of the literature studied, as well as upon writers and their works. A reasonable proficiency in the spoken language will be required. For further details, see the pamphlet on the subject or consult the Executive Officer of the Department or the appropriate adviser.

FRENCH

FIRST GROUP

†1-2 *First-year French* (3-3)

Cornwell and Staff

For beginners. Grammar; composition; drill in pronunciation; translation of modern French prose. Section A: Tues., Thurs., and Sat., 9:10 A.M.; section B: Mon., Wed., and Fri., 10:10 A.M.; section C: Mon., Wed., and Fri., 6:10 P.M.; section D: Mon., Wed., and Fri., 7:10 P.M.; section E: Tues. and Thurs., 6:10 to 7:25 P.M.

Summer term 1944.

†5-6 *Second-year French* (3-3)

Deibert and Staff

Advanced grammar and composition; reading of modern French prose; oral practice; introduction to French civilization. Prerequisite: French 1-2 or two years of high school French. Section A: Tues., Thurs., and Sat., 9:10 A.M.; section B: Mon., Wed., and Fri., 11:10 A.M.; section C: Mon., Wed., and Fri., 6:10 P.M.; section D: Mon., Wed., and Fri., 7:10 P.M.; section E: Tues. and Thurs., 6:10 to 7:25 P.M.

Summer term 1944.

* On war leave 1944-45.

SECOND GROUP

French 5-6 or the equivalent is prerequisite to all second-group courses in French.

- 109-10 *Conversation and Composition* (3-3) Caskie
Section A: Mon., Wed., and Fri., 9:10 A.M.; section B: hours to be arranged.
- 119-20 *Literature of the Sixteenth Century* (3-3) Protzman
Prose, poetry, drama, and memoirs of the French Renaissance: Rabelais, Montaigne, Marot, La Pléiade, etc. Class analysis of texts; collateral reading. Recommended: History 120. 1945-46 and alternate years, Mon., Wed., and Fri., 10:10 A.M.
- 121-22 *Literature of the Seventeenth Century* (3-3) Protzman
History, philosophy, criticism, memoirs, letters, eloquence, drama, fiction, poetry. Class analysis of texts; collateral reading. 1944-45 and alternate years, Mon., Wed., and Fri., 11:10 A.M.
- 123-24 *Literature of the Eighteenth Century* (3-3) Deibert
History, philosophy, criticism, letters, drama, fiction, poetry, the "salons", the idea of progress, the idea of science. Class analysis of texts; collateral reading; lectures on literature and history. 1945-46 and alternate years, Mon., Wed., and Fri., 6:10 P.M.
- 125-26 *Literature of the Nineteenth Century* (3-3) Protzman
Romanticism and realism: fiction, poetry, drama, criticism. Class analysis of texts; collateral reading; lectures on literature and history. 1944-45 and alternate years. Mon., Wed., and Fri., 6:10 P.M.
- 127-28 *Literature of the Twentieth Century* (3-3) Cornwell
Fiction, poetry, drama, criticism. Class analysis of texts; collateral reading; lectures on literature and history. 1945-46 and alternate years, Tues., Thurs., and Sat., 10:10 A.M.
- 129-30 *French Drama* (3-3) Protzman
Study of the principal dramatic movements and theories from the origins to the present, with class analysis of representative plays and individual reports to the class on supplementary plays. (Not offered in 1944-45.)
- 131-32 *History of French Literature and Civilization* (3-3) Cornwell
The masterpieces of French literature and their social, political, and cultural background. Lectures, recitations, and informal discussions. Tues., Thurs., and Sat., 9:10 A.M.
- 199-200 *Proseminar: Readings for the Major in French Literature* (3-3) Protzman
Conferences and group discussions. Hours to be arranged.

THIRD GROUP

- 227-28 *Seminar in Modern French Literature* (3-3) Cornwell
The topic for 1944-45 will be a study of André Gide and his contemporaries. Prerequisite: a second-group course in French literature, 1944-45 and alternate years. Hours to be arranged.
- 229-30 *Seminar in Classical French Literature* (3-3) Protzman
Prerequisite: a second-group course in French literature, 1945-46 and alternate years. Hours to be arranged.
- 249-50 *Old French* (3-3) Doyle
Phonology and morphology of Old French, with an outline of its development through Vulgar Latin; survey of French literature to the end of the thirteenth century. Prerequisite: a second-group course in French literature; an elementary knowledge of Latin. (Not offered in 1944-45.)
- 251-52 *Middle French* (3-3) Doyle
French literature of the fourteenth and fifteenth centuries. Class analysis of texts; collateral reading. Prerequisite: a second-group course in French literature. Knowledge of Old French desirable. (Not offered in 1944-45.)
- 299-300 *Thesis* (3-3) The Staff

PORTUGUESE

FIRST GROUP

- †1-2 *First-year Portuguese* (3-3) d'Eça
For beginners. Grammar; composition; drill in pronunciation; translation of modern Portuguese prose. Mon., Wed., and Fri., 7:10 P.M.
- †5-6 *Second-year Portuguese* (3-3) d'Eça
Advanced grammar and composition; reading of modern Portuguese prose; oral practice; introduction to Portuguese and Brazilian civilization. Prerequisite: Portuguese 1-2 or the equivalent. Mon., Wed., and Fri., 6:10 P.M.

SECOND GROUP

- Portuguese 5-6 or the equivalent is prerequisite to all second-group courses in Portuguese.
- 127-28 *Portuguese and Brazilian Literature* (2-2) d'Eça
Evolution of the Portuguese language; outline of the literature of Portugal (fall term) and Brazil (winter term). Lectures, readings, written reports. Conducted in Portuguese. Hours to be arranged.

SPANISH

FIRST GROUP

- †1-2 *First-year Spanish* (3-3) Protzman and Staff
For beginners. Grammar; composition; drill in pronunciation; translation of modern Spanish prose. Section A: Tues., Thurs., and Sat.,

9:10 A.M.; section B: Mon., Wed., and Fri., 9:10 A.M.; section C: Tues., Thurs., and Sat., 10:10 A.M.; section D: Mon., Wed., and Fri., 11:10 A.M.; section E: Mon., Wed., and Fri., 11:10 A.M.; section F: Mon., Wed., and Fri., 6:10 P.M.; section G: Tues. and Thurs., 6:10 to 7:25 P.M.; section H: Mon., Wed., and Fri., 7:10 P.M.; section K: Tues. and Thurs., 7:35 to 8:50 P.M.; section L: Mon., Wed., and Fri., 8:10 P.M.

Summer term 1944.

- 1-2X *First-year Spanish* (accelerated) (6) Protzman
Same as Spanish 1-2, but full year given in fall term on an accelerated schedule. Students who have had Spanish 1 or one year of high school Spanish may enter the course in the middle of the term. Daily except Sat., 6:00 to 7:00 P.M.

- †5-6 *Second-year Spanish* (3-3) Alonso and Staff
Advanced grammar and composition; reading of modern Spanish prose; oral practice; introduction to Hispanic civilization. Prerequisite: Spanish 1-2 or two years of high school Spanish. Section A: Tues., Thurs., and Sat., 9:10 A.M.; section B: Mon., Wed., and Fri., 9:10 A.M.; section C: Mon., Wed., and Fri., 11:10 A.M.; section D: Mon., Wed., and Fri., 6:10 P.M.; section E: Mon., Wed., and Fri., 7:10 P.M.; section F: Tues. and Thurs., 6:10 to 7:25 P.M.; section G: Tues. and Thurs., 7:35 to 8:50 P.M.

Summer term 1944.

- 5x-6 *Second-year Spanish* (accelerated) (6) Protzman
Same as Spanish 5-6, but full year given in winter term on an accelerated schedule. Students who have had Spanish 5 or three years of high school Spanish may enter the course in the middle of the term. Daily except Sat., 6:00 to 7:00 P.M.

SECOND GROUP

Spanish 5-6 or the equivalent is prerequisite for all second-group courses in Spanish.

- 109-10 *Conversation and Composition* (3-3) Alonso
Section A: Tues., Thurs., and Sat., 9:10 A.M.; section B: Mon., Wed., and Fri., 6:10 P.M.

Summer term 1944.

- 111-12 *Commercial Spanish* (3-3) Meléndez
Tues. and Thurs., 7:35 to 8:50 P.M.

- 121-22 *Spanish Literature of the Golden Age* (3-3) Protzman
Cervantes, Lope de Vega, Calderón; the classic drama, fiction, the ballad, lyric poetry. Class analysis of texts; collateral reading; lectures on literature and history. Mon., Wed., and Fri., 7:10 P.M.

- 125-26 *Modern Spanish Literature* (3-3) Alonso
Prose and poetry of the eighteenth, nineteenth, and twentieth centuries. Class analysis of texts; collateral reading; lectures on literature and history. Tues., Thurs., and Sat., 10:10 A.M.

- 129-30 *The Spanish American Novel* (3-3) Espinosa
Development of the novel in Spanish America. Lectures, collateral reading, and class analysis of texts.
Summer term 1944.
- 137-38 *Spanish American Literature: South America* (3-3) Espinosa
Development of the literature of the Spanish-speaking countries of South America. Lectures, collateral reading, and class analysis of important works. 1944-45 and alternate years, Tues. and Thurs., 6:10 to 7:25 P.M.
- 139-40 *Spanish American Literature: The Caribbean Area* (3-3) Espinosa
Development of the literatures of the Spanish-speaking countries of Central America, the West Indies, and Mexico. Lectures, collateral reading, and class analysis of important works. 1945-46 and alternate years, Tues. and Thurs., 6:10 to 7:25 P.M.
- 197-98 *Proseminar: Readings for the Major in Spanish American Literature* (3-3) Espinosa
Conferences and group discussions. Hours to be arranged.
- 199-200 *Proseminar: Readings for the Major in Spanish Literature* (3-3) Alonso
Conferences and group discussions. Hours to be arranged.

THIRD GROUP

- 225-26 *Seminar in Spanish Literature* (3-3) Alonso
Prerequisite: a second-group course in Spanish literature. 1945-46 and alternate years. Hours to be arranged.
- 227-28 *Seminar in Spanish American Literature* (3-3) Espinosa
Prerequisite: a second-group course in Spanish American literature. 1944-45 and alternate years, hours to be arranged.
- 249-50 *Old Spanish* (3-3) Doyle
Literature and philology: *Poema del Cid*, *Libro de Buen Amor*, *Conde Lucanor*, etc.; Menéndez Pidal's *Manual elemental de gramática histórica española* and Ford's *Old Spanish Readings*. Prerequisite: a second-group course in Spanish literature; an elementary knowledge of Latin. (Not offered in 1944-45.)
- 299-300 *Thesis* (3-3) The Staff

ROMANCE LANGUAGES

SPECIAL METHOD COURSE

- 176 *Teaching of Romance Languages* (2)
Current methods and materials. (Not offered in 1944-45.)

SECRETARIAL STUDIES

Dorothy Helene Veon, A.M., *Assistant Professor of Secretarial Studies*
Executive Officer

Virginia Randolph Kirkbride, A.M., *Associate in Secretarial Studies*

Mary Winifred Cox, A.B., *Associate in Secretarial Studies*

Cornelia Arlounine McGinnis, A.B., *Associate in Secretarial Studies*

Requirements for the Junior Certificate in Secretarial Studies.—See page 53.

Requirements for the degree of Bachelor of Science in Secretarial Administration.—See special bulletin.

- I Elementary Typewriting (2)** Veon, Kirkbride
 Fundamentals of typewriting, styles of business letters and forms, principles of tabulation, machine dictation and composition. Laboratory fee, \$4.50. Section A: Mon., Wed., and Fri., 11:10 A.M. to 12:30 P.M.; section B: Mon., Wed., and Fri., 7:10 to 8:30 P.M.

Secretarial Studies 1x—same as Secretarial Studies I, but offered winter term. Mon., Wed., and Fri., 7:10 to 8:30 P.M.

- 2 Intermediate Typewriting (2)** Veon, Kirkbride
 The business letter and its arrangement, advanced tabulation, manuscript typing, office forms, stencil cutting, and legal documents. Prerequisite: Secretarial Studies I or the equivalent; ability to type accurately at 30 words a minute. Laboratory fee, \$4.50. Section A: Mon., Wed., and Fri., 11:10 A.M. to 12:30 P.M.; section B: Mon., Wed., and Fri., 7:10 to 8:30 P.M.

Secretarial Studies 2x—same as Secretarial Studies 2, but offered fall term. Mon., Wed., and Fri., 7:10 to 8:30 P.M.

- 11 Elementary Shorthand and** Veon, McGinnis
Transcription (4)

A functional study of Gregg shorthand correlating dictation and transcription. Minimum speed of 60 words a minute attained on timed transcriptions. Section A: daily except Sat., 9:10 A.M.; section B: Mon., Wed., and Fri., 5:45 to 7:00 P.M.

Secretarial Studies 11x—same as Secretarial Studies 11, but offered winter term. Mon., Wed., and Fri., 5:45 to 7:00 P.M.

- 12 Intermediate Shorthand and** Veon, McGinnis
Transcription (4)

Correlated program of Gregg shorthand dictation and transcription with emphasis on English usage and vocabulary building. Minimum speed of 80 words a minute attained on timed transcriptions. Prerequisite: Secretarial Studies 11 or the equivalent; ability to take dictation at 60 words a minute. Section A: daily except Sat., 9:10 A.M.; section B: Mon., Wed., and Fri., 5:45 to 7:00 P.M.

15 *Advanced Shorthand Transcription and Typewriting Problems* (3) Veon, Cox

Emphasis on speed and accuracy. Minimum speed of 100 words a minute attained on timed transcriptions. Prerequisite: Secretarial Studies 12 or the equivalent; ability to take dictation at 80 words a minute and to transcribe accurately; ability to type 50 words a minute. Laboratory fee, \$3.00. Section A: Mon., Wed., and Fri., 1:30 to 3:30 P.M.; section B: Mon., Wed., and Fri., 7:10 to 9:00 P.M.

16 *Secretarial Shorthand Dictation and Transcription* (3) Veon, Cox

Dictation and transcription involving vocabularies used in specific businesses and professions. Minimum speed of 120 words a minute attained. Prerequisite: Secretarial Studies 15, or the equivalent; ability to take dictation at 100 words a minute and to transcribe accurately; ability to type 55 words a minute. Laboratory fee, \$3.00. Section A: Mon., Wed., and Fri., 1:30 to 3:30 P.M.; section B: Mon., Wed., and Fri., 7:10 to 9:00 P.M.

33 *Medical Shorthand and Terminology* (3) Kirkbride

Technical terminology, common medical prefixes and suffixes, special forms, phrasing, and medical vocabulary building. Dictation from medical journals and books, complete clinical and pathological cases, and abstracts of case histories. Prerequisite: Secretarial Studies 12, or the equivalent. Mon., Wed., and Fri., 6:10 P.M.

51-52 *Business Writing* (3-3) Veon

Fall term: principles of effective writing applied to correspondence and reports, especially those in the Federal Government; study of words and vocabulary building. Winter term: special emphasis on credit, collection, adjustment, and sales letters; business reports and articles; advertising copy; business literature. Prerequisite: English 1 and 2. Mon., Wed., and Fri., 6:10 P.M.

54 *Secretarial Practice* (3) The Staff

Training in secretarial duties, study of secretarial equipment and supplies. Actual office experience involving the taking of dictation and the transcribing of various materials; composing business letters, reports, and other forms; preparing bills, statements, financial forms, and statistical records; filing practice. Prerequisite: Secretarial Studies 15 and 51; Business Administration 51; or the equivalent. Hours to be arranged.

57 *English Usage for Secretaries* (2) Veon

Fundamentals of grammar, punctuation, capitalization, sentence structure, etc.; word study; proofreading and editing; analysis of style manuals, with particular reference to the Government Printing Office *Style Manual*. Mon., 7:10 to 9:00 P.M.

117-18 *Conference and Court Reporting* (3-3)

Principles and practices of reporting conferences and court testimony. Prerequisite: Secretarial Studies 16, or the equivalent; ability to take dictation at 120 words a minute. Special opportunity will be provided to report actual testimony and legal arguments in the Moot Court

of the Law School. Mon. and Fri., 7:10 to 9:10 P.M.; Moot Court—Wed., 6:20 to 8:00 P.M.

171 *Secretarial Administrative Problems (3)*

Principles and problems involved in administering stenographic units and the supervision and management of offices. Mon., 7:10 to 9:00 P.M. Veen

SOCIOLOGY

James Allen Nolan, Ph.D., *Lecturer in Sociology*

The major.—Prerequisite: Sociology 27 and 28. Required: twenty-four credit hours of second- and third-group courses in sociology. With special permission, a maximum of six credit hours of the following closely related courses may be counted toward the major: Economics 141, 142, and 146; History 171-72; Philosophy 132; Psychology 125, 151, and 154; Statistics 101-2. Additional courses from this list are highly recommended as electives.

FIRST GROUP

27 *Organization of Society* (3)

The origin and development of culture; man's social nature; types of groups and social institutions; social processes; social change and social control.

Summer term 1944 (Nolan).

28 *Problems of Society* (3)

Population problems; psycho-physical problems; problems of race and nativity, social institutions, and social control in war and peace.

Summer term 1944 (Nolan).

SECOND GROUP

121 *Educational Sociology* (3)

The relation of the school to the community; school culture; social control in the school; sociological principles for the construction of the curriculum. (Not offered in 1944-45.)

125 *Rural Sociology* (3)

The origin and development of rural culture; types of rural communities; rural social institutions and personalities; relation to city life; present rural problems and rural planning. (Not offered in 1944-45.)

126 *Urban Sociology* (3)

Types of cities; their origin, growth, social structure, composition, functions, and problems; urban personalities and institutions; urbanization and social control; city planning. (Not offered in 1944-45.)

135 *Child-Welfare Problems* (3)

Social aspects of infant and child morbidity and mortality; socializing the child through the home, play group, and school; the physically handicapped child; dependent children; child labor; juvenile delinquency. (Not offered in 1944-45.)

136 *Criminology* (3)

The nature, types, and distribution of crime; causes of criminal behavior; the machinery of justice; types of treatment; recidivism; rehabilitation; crime-prevention programs. Field trips to local penal institutions. (Not offered in 1944-45.)

SPEECH

Willard Hayes Yeager, A.M., *Depew Professor of Public Speaking*
Executive Officer

*Harold Friend Harding, Ph.D., *Professor of Public Speaking*

*Henry Goddard Roberts, A.M., *Assistant Professor of Public Speaking*

*Winfield DeWitt Bennett, A.M., LL.B., *Assistant Professor of Public Speaking*

Verna Finger Torgerson, M.S., *Assistant Professor of Speech*
 Floyd Lorang Sparks, A.B., *Teaching Fellow in Play Production*

The major.—Required: twenty-four credit hours of second- and third-group courses. Recommended in addition: English 175, 183-84; Philosophy 111-12 and 121; Psychology 151.

FIRST GROUP

- 1 *Principles of Effective Speaking* (3) Yeager, Torgerson
 Short informative speeches; delivery practice; pronunciation, enunciation, and diction; impromptu speaking. Speech recordings are required. Recording fee, \$1.50. Section A: Mon., Wed., and Fri., 11:10 A.M.; section B: Mon., Wed., and Fri., 6:10 P.M.; section C: Mon., Wed., and Fri., 7:10 P.M.; section D: Tues., Thurs., and Sat., 11:10 A.M.

Section A:
 Mon., Wed., and Fri., 11:10 A.M.; section B: Mon., Wed., and Fri., 7:10 P.M.

Summer term 1944.

- 2 *Persuasive and Entertaining Speaking* (3) Yeager
 Special emphasis is placed on persuasive and entertaining speeches. This course is a continuation of Speech 1, which is prerequisite. Recording fee, \$1.50. Mon., Wed., and Fri., 6:10 P.M.

- 11 *Training of the Speaking Voice* (3) Torgerson
 Developing ease, naturalness, and clarity in the speaking voice. Analysis of individual voices through recordings. Phonetic approach to the study of the sounds of English and the standards of speech. Class instruction in problems of rate, volume, pitch, and quality. Recording fee, \$1.50. Section A: Tues., Thurs., and Sat., 10:10 A.M.; section B: Mon., Wed., and Fri., 7:10 P.M.

Section A:
 Tues., Thurs., and Sat., 10:10 A.M.; section B: Mon., Wed., and Fri., 6:10 P.M.

- 42 *Parliamentary Law* (2) Roberts
 The correct procedure in forming an organization and in conducting its meetings in an orderly and businesslike manner. (Not offered in 1944-45.)

* On war leave 1944-45.

61-62 *Acting* (3-3)

Sparks

Body movement; basic expression and character analysis; interpretation; and make-up. Recording fee, \$1.50. Tues. and Thurs., 6:10 to 7:25 P.M.

65-66 *Stagecraft* (3-3)

Sparks

Building, painting, lighting, and rigging of stage scenery. Mon., Wed., and Fri., 1:00 P.M.

71-72 *Speech Clinic*

Torgerson

Individual and group lessons for problems of voice and articulation: lispings, dialects, cleft palate speech, sound substitutions, stammering. Hours to be arranged.

73 *American Speech* (3)

Torgerson

Class limited to foreign born students. Instruction in the formation of the sounds of spoken English, pronunciation, stress, and intonation. The International Phonetic Alphabet is used. Analysis of individual voices through recordings. Mon. and Wed., 7:10 to 8:25 P.M.

Speech 73x—same as Speech 73, but offered winter term. Mon. and Wed., 7:10 to 8:25 P.M.

SECOND GROUP

102 *Oral Interpretation of Literature* (3)

Torgerson

Reading to others; theory and practice in the problems of communicating meaning and emotion. Selections for study include poetry and prose. Each student builds a lecture-recital. Prerequisite: Speech 11. Recording fee, \$1.50. Mon., Wed., and Fri., 11:10 A.M.

108 *Speeches for Special Occasions* (3)

Yeager

The preparation and presentation of speeches of introduction, presentation, acceptance, welcome, nomination, and eulogy. Prerequisite: three credit hours of speech. Wed., 8:40 P.M.

109 *Radio Speaking* (3)

Yeager, Sparks,

Radio speeches, interviews, and discussions; news commentating and news reporting. Prerequisite: three credit hours of speech. Recording fee, \$3.00. Mon., Wed., and Fri., 11:10 A.M.

Summer term 1944.

116 *Congressional Debate* (3)

Harding

Current public questions being debated in the House and Senate of the United States; techniques of discussion both in committee and on the floor. Prerequisite: six credit hours of speech. (Not offered in 1944-45.)

121 *Argumentation and Debate* (3)

Roberts

The methods of influencing the beliefs or actions of others by means of reasoned discourse; practice debates on problems and on public questions. Prerequisite: Speech I. (Not offered in 1944-45.)

- 131 *Group Thinking and Conference Leadership* (3) Yeager
The process of thinking and problem-solving in committees and small groups, and the methods of leading discussions and conferences. Prerequisite: six credit hours of speech or permission of the instructor. Wed., 8:10 P.M.
- 134 *Business Interviews and Speeches* (3) Yeager
Organization and presentation of facts and opinions for interviews; the use of interviews to obtain information. Reports, sales talks, pep talks, and discussions. Prerequisite: Speech I. (Not offered in 1944-45.)
- 145-46 *English and American Orators and Oratory* (3-3) Yeager, Roberts
Fall term: a survey of English orators and oratory; winter term: a survey of American orators and oratory from colonial days to recent times. Prerequisite: six credit hours of speech. (Not offered in 1944-45.)
- 158 *Legal Argument* (3) Bennett
Opening and closing addresses before juries, practice in summation and presentation of factual information, interpreting and emphasizing evidence, study of models of forensic eloquence, speech composition. Designed for pre-legal students. Prerequisite: three hours of speech or Psychology 157. (Not offered in 1944-45.)
- 163-64 *Advanced Play Production* (3-3) Sparks
Problems of play preparation, staging, directing, and character portrayal. Prerequisite: Speech 62 or 66. Tues., 8:10 P.M.
- 169-70 *Play Production Practice* (3 or 6) Sparks
By permission of the instructor. Hours to be arranged.
- 191-92 *History of the Theory of Public Speaking* (3-3) Harding
Classical and English rhetorical theory, including the works of Aristotle, Cicero, Quintilian, Longinus, Wilson, Campbell, Blair, and Whately. Prerequisite: six credit hours of speech. (Not offered in 1944-45.)

THIRD GROUP

- 201-2 *Seminar* (3-3) Yeager
Hours to be arranged.

STATISTICS

Frank Mark Weida, Ph.D., *Professor of Statistics, Executive Officer*
 John Randolph Riggleman, Ph.D., *Lecturer in Statistics*
 Solomon Kullback, Ph.D., *Lecturer in Statistics*
 William Henry Erskine, Ph.D., *Associate in Statistics*

Minimum requirements for the major.—Prerequisite: Mathematics 12, 19, and 20; Psychology 1 and 2; an introductory course in one of the social sciences, one of the biological sciences, or one of the physical sciences. Required: an understanding of the underlying mathematical theory employed to characterize, compare, and elucidate quantitative or qualitative measurements which are found in (1) the history of statistics, (2) characterization numbers, (3) correlation, (4) frequency distributions and time series, (5) graphical analysis, and (6) collection and presentation of statistical data; a minimum of twenty-four credit hours of second-group courses in departments unrelated to statistics. For further details, see the pamphlet on this subject or consult the adviser.

FIRST GROUP

†1-2 *Elementary Statistics* (3-3) Kullback and Staff

Introduction to scientific method of gathering and tabulating measures of attributes: their analysis, limitations, and interpretations in various fields of knowledge. Prerequisite: at least one entrance unit in algebra. Laboratory fee, \$5.00 a term. Lecture—Tues. and Thurs., 6:10 P.M. Laboratory—section N: Mon., 8:00 to 9:40 P.M.; section O: Tues., 8:00 to 9:40 P.M.

†3-4 *Theory of Investment, Social Insurance, Life Insurance* (3-3) Weida

Interest and discount, annuities, valuation, depreciation, life annuities, life insurance premiums, reserves, unemployment and sickness benefits. Prerequisite: at least one entrance unit in algebra. Tues. and Thurs., 11:10 A.M. to 12:25 P.M.

SECOND GROUP

100 *General Statistics* (3) Weida and Staff

Prerequisite: at least one entrance unit in algebra. Mon., Wed., and Fri., 6:10 P.M.

Summer term 1944.

†101-2 *Economic and Sociological Statistics* (3-3) Weida and Staff

Sources of data, collecting and assembling of statistics, tabulation, graphical analysis, averages, measures of dispersion, frequency distributions, index numbers, time series, the normal curve, correlation. Prerequisite: at least one entrance unit in algebra. Laboratory fee, \$5 a term. Lecture—section A: Mon. and Wed., 11:10 A.M.; section B: Tues. and Thurs., 6:10 to 7:00 P.M.; section C: Mon. and Wed., 7:10 P.M. Laboratory—section P: Wed., 8:00 to 9:40 P.M.; section Q: Thurs., 8:00 to 9:40 P.M.; section S: Mon. and Wed., 12:10 to 1 P.M.

Summer term 1944.

- 103-4 *Statistics in Psychology and Education (3-3)* Weida and Staff
Sources of data, assembling of statistics, tabulation, graphical analysis, averages, dispersion, frequency distributions, intelligence and achievement quotients, normal curve, correlation. Prerequisite: at least one entrance unit in algebra. Laboratory fee, \$5 a term. Lecture—Tues. and Thurs., 7:35 to 8:25 P.M. Laboratory—section O: Tues., 8:30 to 10:00 P.M.; section Q: Thurs., 8:30 to 10:00 P.M.
- 105 *Statistical Charts and Graphs (3)* Riggleman
Prerequisite: at least one entrance unit in algebra. Laboratory fee, \$5. (Not offered in 1944-45.)
- 106 *Mechanical Tabulation (3)* Riggleman
The theory and use of the various sorting and tabulating machines. Prerequisite: at least one entrance unit in algebra. (Not offered in 1944-45.)
- 107 *Statistical Index Numbers (3)*
Prerequisite: Statistics 101-2. (Not offered in 1944-45.)
- 108 *Statistical Analysis of Economic Fluctuations (3)*
Prerequisite: Statistics 101-2; Economics 1-2. (Not offered in 1944-45.)
- †109-10 *Business and Government Statistics (3-3)* Riggleman
External statistics; internal data; statistical technique in forecasting, market analysis, time and wage studies; investment analysis; price situations. Prerequisite: Statistics 101-2. Tues., 7:35 to 10:00 P.M.
- 111 *Applied Sampling (3)* Riggleman
Application and limitations; stratified and directed sampling; practical exterior tests of reasonableness, representativeness, and adequacy. Prerequisite: Statistics 101-2. (Not offered in 1944-45.)
- 112 *Organization and Management in Statistical Work (3)* Riggleman
Planning projects, estimating costs, conducting surveys, organization of a statistical department. Prerequisite: Statistics 101-2. (Not offered in 1944-45.)
- 117 *Analysis of Variance (3)* Kullback
A technique for segregating from comparable groups of data the variation traceable to specific sources; a method to estimate experimental error. Prerequisite: Statistics 101-2. Mon., Wed., and Fri., 7:10 P.M.
- 118 *Advanced Economic and Sociological Statistics (3)* Kullback
Advanced study of correlation and frequency analysis; and of sources, their uses and limitations. Prerequisite: Statistics 101-2. Mon., Wed., and Fri., 7:10 P.M.

134 Factor Analysis (3) Weida

The resolution of mental abilities into factors; the two-factor theory; the multiple-factor theory, tetrads and tetrad differences; tetrad correlation and reliability; overlapping variables. Prerequisite: Statistics 103-4. (Not offered in 1944-45.)

141 Medical Biometry and Statistics (3) Weida

Data and laws of human mortality, morbidity, and demography; averages; dispersion; frequency functions; sampling; correlation; chi and other tests. Prerequisite: at least one entrance unit in algebra. (Not offered in 1944-45.)

151 Least Squares and Theories of Error (3) Weida

Moment coefficients; the normal and other error functions; Legendre's principle; practical Fourier analysis; likelihood; chi-test. Prerequisite: Mathematics 20. (Not offered in 1944-45.)

152 Curve Fitting (3) Weida

Empirical and graduation functions; generating function; cumulants; Thiele's semi-invariants; Pearson and other systems of curves. Prerequisite: Mathematics 20. (Not offered in 1944-45.)

153 Econometrics (3) Weida

Mathematical methods applied by classical and modern writers to exchange, production, supply and demand, utility and disutility, and interest and taxation. Prerequisite: Statistics 101-2. Mathematics 20. (Not offered in 1944-45.)

155 Manufactured Product Economic Quality Control (3) Weida

Statistical basis for quality control, methods of expressing quality, quality control in practice. Prerequisite: Mathematics 20. Mon., Wed., and Fri., 6:10 P.M.

†157-58 Intermediate Theoretical Statistics (3-3) Kullback

Adjustments of observations; curve fitting; design of experiment; simple sampling; theories of dispersion; expectation; frequency functions; Thiele's semi-invariants; Gram-Charlier series. Prerequisite: Mathematics 20. Mon., Wed., and Fri., 6:10 P.M.

169 History of Statistics (3) Weida

Prerequisite: Statistics 101-2, 157-58, or the equivalent. Hours to be arranged.

†199-200 Proseminar: Theoretical and Applied Statistics (3-3) Weida

This course is designed to coordinate the content of the baccalaureate major. Admission by permission of the instructor. Hours to be arranged.

THIRD GROUP

†255-56 Probability (2-2) Weida

Scope; classical definition, limit definition; Bayes' theorem; Bernoulli's theorem; expectation; law of large numbers; probabilities in continuum;

limit theorems; distribution laws. Admission by permission of the instructor. Mon., 8:10 to 9:50 P.M.

†257-58 *Advanced Theoretical Statistics* (3-3)

Weida

Contour integrals; characteristic functions; matrices; quadratic forms; sampling theory; measures of relation; contingency analysis; maximum likelihood; individual differences. Admission by permission of the instructor. 1945-46 and alternate years, Mon., Wed., and Fri., 6:10 P.M.

261 *Numerical Analysis* (3)

Weida

Interpolation; numerical differentiation and integration; mechanical quadrature and cubature; numerical solution of differential and integral equations. Admission by permission of the instructor. (Not offered in 1944-45.)

†263-64 *Statistical Inference* (2-2)

Kullback

Sample space; methods for estimating population parameters; fiducial inference and its application to testing hypotheses; Neyman-Pearson theory of testing hypotheses. Admission by permission of the instructor. Tues. and Thurs., 7:35 to 8:25 P.M.

†265-66 *Multivariate Analysis* (2-2)

Kullback

Multivariate normal distribution; sample variances and covariances; tests of significance; problems of estimation. Admission by permission of the instructor. (Not offered in 1944-45.)

†267-68 *Characteristic Functions, Theory and Applications* (2-2)

Kullback

Fourier integrals; set functions; inversion formulas; limit theorems; applications to the distribution problem in statistics. Admission by permission of the instructor. (Not offered in 1944-45.)

†295-96 *Seminar: Applied Statistics* (3-3)

Weida

Reading and research in applied statistics. Admission by permission of the instructor. Hours to be arranged.

†297-98 *Seminar: Theoretical Statistics* (3-3)

Weida

Reading and research in theoretical statistics. Admission by permission of the instructor. Hours to be arranged.

†299-300 *Thesis* (3-3)

The Staff

Hours to be arranged.

SURGERY

- Charles Stanley White, M.D., *Professor of Surgery, Executive Officer*
 *Daniel LeRay Borden, A.M., M.D., *Clinical Professor of Surgery*
 Harry Hyland Kerr, M.D.C.M., *Clinical Professor of Surgery*
 Paul Stirling Putzki, M.D., *Clinical Professor of Surgery*
 Arch Lockhart Riddick, B.S., M.D., *Clinical Professor of Surgery*
 William Berry Marbury, M.D., *Clinical Professor of Surgery*
 Custis Lee Hall, M.D., *Clinical Professor of Surgery*
 Guy Whitman Leadbetter, B.S., M.D., *Clinical Professor of Surgery*
 William Russell Moses, M.D., *Adjunct Clinical Professor of Surgery*
 *John Hugh Lyons, M.S., M.D., *Associate Clinical Professor of Surgery*
 Herbert Hermann Schoenfeld, M.D., *Associate Clinical Professor of Surgery*
 *William Warren Sager, M.S., M.D., *Associate Clinical Professor of Surgery*
 Francis Xavier McGovern, M.D., *Associate Clinical Professor of Surgery*
 Benjamin Franklin Dean, Jr., M.S., M.D., *Assistant Clinical Professor of Surgery*
 Alec Horwitz, M.S., M.D., *Assistant Clinical Professor of Surgery*
 Cline N. Chipman, M.D., *Associate in Anesthesia*
 Richard Knight Thompson, D.D.S., *Associate in Dental Surgery*
 Julius Salem Neviasser, A.B., M.D., *Associate in Surgery*
 James Lloyd Collins, A.B., M.D., *Associate in Surgery*
 Donald Harrison Stubbs, A.M., M.D., *Associate in Surgery*
 William Ross Morris, M.D., *Associate in Surgery*
 Edward Alexander Cafritz, M.D., *Clinical Instructor in Surgery*
 Hazen Eugene Cole, B.S., M.D., *Clinical Instructor in Surgery*
 Otto Anderson Engh, A.B., M.D., *Clinical Instructor in Surgery*
 *Charles Seymour Coakley, M.D., *Clinical Instructor in Anesthesia*
 Duane Case Richtmeyer, A.B., M.D., *Clinical Instructor in Surgery*
 Stewart Maxwell Grayson, M.D., *Clinical Instructor in Surgery*
 Jerome Blaine Harrell, M.D., *Clinical Instructor in Surgery*
 Jacob Joseph Weinstein, B.S., Ph.G., M.D., *Clinical Instructor in Surgery*
 Paula Reines Kaiser, M.B., Ch.B., *Clinical Instructor in Surgery*
 Allen Southall Lloyd, M.D., *Clinical Instructor in Surgery*

279-80 General Surgery

Dean, Harrell

Course of lectures and recitations covering surgical diseases of the neck and chest, herniae, amputations, and pre- and post-operative treatment. One hour a week for twenty-eight weeks.

* On war leave 1944-45.

- 281 *Anesthesia (elective)* Chipman, Stubbs
Theoretical and practical instruction is given in the use of general and local anesthetic agents. One hour a week for fifteen weeks.
- 282 *Fractures and Dislocations* Leadbetter
One hour a week.
- 283 *Surgical Technique* Marbury
Series of demonstrations of surgical instruments and appliances. The preparation of the patient, the operating room, the materials commonly used, and the duties of each member of an operating team. One hour a week.
- 371-72 *General Surgery* Putzki, Riddick
Course of lectures and recitations covering surgery as applied to the neck, thorax, gastro-intestinal tract, and the bones and skeletal muscles. One hour a week.
- 373-74 *Ward Walks* The Staff
Well-organized group ward-rounds are made with the visiting physicians and their respective staffs in the course of their usual rounds. Gallinger and Emergency hospitals.
- 375-76 *Surgical Clinic* The Staff
Clinical teaching and demonstrations on the care of the various surgical diseases, with special emphasis on the pre- and post-operative management. Gallinger and Emergency hospitals.
- 379-80 *Surgical Clinic* White and Staff
Demonstration to the entire class of the various surgical diseases, with stress upon the differential diagnosis and pre- and post-operative care. Gallinger Hospital. One hour a week.
- 381-82 *Clinical Clerkship* The Staff
The student is assigned and required to work up thoroughly the cases for diagnosis and treatment. Gallinger and Emergency hospitals.
- 478 *Orthopedics* Hall
Etiology, pathology, symptomatology, and treatment of congenital and acquired diseases of the bones and joints, and the clinical instruction in treatment and in the use of appliances for the correction of deformities. One hour a week.
- 481 *General Surgery* White
One hour a week.
- 483-84 *Dispensary Clinic* The Staff
Dispensary instruction in the principles and practice of surgery. Instruction of small groups is given in general surgery and the specialties, including anesthesia, neurosurgery, orthopedics, proctology, and ear, nose and throat surgery. University and Emergency hospitals.
- 485-86 *Special Problems in Surgery* Riddick, Dean
General surgical diagnosis, with special emphasis on the diagnosis and differential diagnosis of surgical diseases and post-operative complications. One hour a week.

488 *Surgical Clinic*

Demonstration to the entire class of the various surgical diseases. One hour a week.

White and Staff

489 *Surgical Anatomy*

One hour a week.

Horwitz

UROLOGY

Frederick August Reuter, M.D., *Professor of Urology, Executive Officer*
Thomas Carlton Thompson, B.S., M.D., *Clinical Professor of Urology*
Charles Perry Howze, M.D., *Associate in Urology*
Gilbert Ottenberg, A.M., M.D., *Associate in Urology*

491-92 *Urology*

Lectures covering the entire field of urology, including diagnosis, treatment, and morbid pathology. One hour a week. Reuter

493-94 *Clinics*

Clinical teaching and demonstrations on the care of urological cases, with special emphasis on the pre- and post-operative management. Operative clinics and clinical teaching. Gallinger and Children's hospitals. The Staff

495-96 *Clinics*

Clinical demonstrations and teaching in the dispensary, with special attention given to diagnostic procedures. Emergency and University hospitals. One part of each section daily. Reuter and Staff

ZOOLOGY*

Donnell Brooks Young, Ph.D., *Professor of Zoology*
 Ira Bowers Hansen, Ph.D., *Professor of Zoology, Executive Officer*
 Edith Elizabeth Mortensen, A.M., *Assistant Professor of Zoology*
 Lloyd Ancil Spindler, Sc.D., *Lecturer in Zoology*

The major.—Prerequisite: Zoology 1-2. The student must at the end of his senior year exhibit a correlated knowledge of the following fields: (1) classification, structure, and ecological relations of animals, both invertebrate and vertebrate; (2) embryological development and life histories of important animal types; (3) general principles of physiology, heredity, and evolution; (4) the development of biological principles, hypotheses and theories as revealed in the study of the history of zoology.

The student will obtain this knowledge in part by taking courses offered in these fields and in part by individual study under the direction of his adviser. For further details, see the pamphlet on this subject or consult the adviser.

Premedical students are required to take Zoology 1-2.

FIRST GROUP

1-2 *Introduction to Zoology* (4-4) Young, Mortensen

An introduction to the study of the structure, functions, and relation of animals, and of the fundamental biological principles involved. Material fee, \$4.50 a term. Section A: Tues. and Thurs., 9:10 A.M.; section B: Mon. and Wed., 6:10 P.M. Laboratory—section M: Tues. and Thurs., 11:10 A.M. to 1:00 P.M.; section N: Tues. and Thurs., 1:40 to 3:30 P.M.; section O: Mon. and Wed., 7:10 to 9:00 P.M.

Summer term 1944.

†5-6 *Field Zoology* (3-3) Mortensen

Summer term—1945 and alternate summers. Material fee, \$4.50 a term. Mon., Wed., and Fri., 6:10 to 9:10 P.M. and occasional Sat. or Sun. afternoons.

SECOND GROUP

101-2 *Invertebrate Zoology* (3-3) Mortensen

A systematic study of invertebrate forms, including the study of morphology, classification, life histories, and phylogenetic relationships. Occasional field trips. Prerequisite: Zoology 1-2 or Biology 1-2. Material fee, \$4.50 a term. 1944-45 and alternate years, Tues. and Thurs., 7:25 to 10:15 P.M. 1945-46 and alternate years, Mon. and Wed., 1:40 to 4:30 P.M.

134 *Ornithology* (3)

The birds of eastern North America. Material fee, \$4.50. (Not offered in 1944-45.)

* See also the departments of Biology and Botany pages 150 and 151.

- 137 Histology (3)** Young
 An introduction to the microscopical anatomy of normal tissues and organs. Prerequisite: Zoology 1-2. Material fee, \$6. Fri., 7:10 P.M. Laboratory—Mon. and Wed., 7:00 to 9:00 P.M.
 Summer term 1944.
- 141-42 Comparative Vertebrate Anatomy (3-3)** Hansen
 Lectures on the organ systems of the vertebrates; laboratory dissections of types. Prerequisite: Zoology 1-2. Zoology 141, material fee, \$6; Zoology 142, material fee, \$4.50. Section A: Mon., 1:40 P.M.; section B: Wed., 7:10 P.M. Laboratory—section M: Mon., 2:40 to 4:30 P.M. and Wed., 1:40 to 3:30 P.M.; section N: Mon., 7:00 to 9:00 P.M. and Wed., 8:00 to 10:00 P.M.
 Summer term 1944.
- 144 Introduction to Vertebrate Embryology (3)** Hansen
 The origin and early development of the individual and the formation of organ systems. Emphasis is placed on the frog, chick, and pig, with reference to the human embryo. Prerequisite: Zoology 1-2, and 141 or 142. Material fee, \$6. Tues., 1:40 P.M. Laboratory—Tues., 2:40 to 4:30 P.M. and Thurs., 1:40 to 3:30 P.M.
 Zoology 144x—same as Zoology 144 but offered fall term, Tues., 7:35 to 10:15 P.M., and Thurs., 7:35 to 9:15 P.M.
- 147-48 Experimental Morphology (3-3)** Hansen
 Lectures and class reports on experimental morphology. Prerequisite: Zoology 141-42 or the equivalent. 1944-45 and alternate years. Mon., Wed., and Fri., 6:10 P.M.
- 156 Parasitology (3)** Spindler
 An introduction to the study of animal parasitology, with a survey of parasitic types from protozoa through arthropods. Prerequisite: Zoology 1-2 or the equivalent. Material fee, \$6. Tues. and Thurs., 7:35 to 10:15 P.M.
- 171-72 Special Problems (3-3)** The Staff
 Written approval of the instructor is required. Hours to be arranged. Material fee, \$6 a term.
- 199-200 Proseminar (3-3)** The Staff
 A course designed to correlate and supplement the work of zoology majors. Tues. and Thurs., 10:10 A.M.; evening hours to be arranged.
 Summer term 1944.
- 203-4 Seminar in Invertebrate Zoology (3-3)** Young
 Hours to be arranged.
- †241-42 Protozoa (3-3)** Young
 An introduction to the protozoa: classification, life histories, and physiology, with special emphasis on free-living types. Material fee, \$4.50 a term. Hours to be arranged.
- 251-52 Seminar in Vertebrate Zoology (3-3)** Hansen
 Hours to be arranged.

253-54 *Research*

Investigation of special problems. Hours and credits to be arranged.

Summer term 1944.

The Staff

299-300 *Thesis (3-3)*

Summer term 1944.

The Staff

UNIVERSITY ORGANIZATIONS

ALUMNI AND ALLIED ASSOCIATIONS

THE GENERAL ALUMNI ASSOCIATION

The objects of this Association are to unite the graduates in closer sympathy and to promote the general welfare of the University. The following persons are eligible for *active* membership: graduates of any college, school, or division of the University; holders of honorary degrees from the University; and members of the Board of Trustees and of the Faculty of the University. Any person who has matriculated, who has been in regular attendance for one year, and who has left the University in good standing, is eligible for *associate* membership.

The office of the Executive Secretary of the Association is located on the first floor of Columbian House of the University. Alumni are urged to keep the Secretary informed of changes of address or occupation and to supply information with regard to their fellow alumni.

1944

President.—George W. Neville, LL.B. 1929 (A.B. 1923, University of the South); Shoreham Building, Washington, D. C.

Vice Presidents:

Columbian College.—J. Foster Hagan, A.B. 1923, LL.B. 1927; 1423 N. Court House Road, Arlington, Va.

Graduate Council.—Joseph H. Roe, Ph.D. 1923 (A.B. 1916, Roanoke College; A.M. 1917, Princeton University); 1352 Jefferson Street, Washington, D. C.

School of Medicine.—William M. Ballinger, A.B. 1921, M.D. 1924; 4923 Hillbrook Lane, Washington, D. C.

Law School.—Willard L. Hart, LL.B. 1926 (B.S. 1919, Clemson Agricultural College); 3505 Woodley Road, Washington, D. C.

School of Engineering.—William J. Ellenberger, B.S. in E.E. 1930, B.S. in M.E. 1934; 6524 Luzon Ave., Washington, D. C.

School of Pharmacy.—

School of Education.—Sara Lerch Fillebrown (Mrs. Herbert M. Fillebrown), A.B. and B.Dip. in Ed. 1927, A.M. 1928; 815 N. Oleander Ave., Daytona Beach, Fla.

School of Government.—Ross P. Pope, A.B. in Govt. 1937; 309 Cameron Street, Alexandria, Va.

Dental School.—William M. Sweet, D.D.S. 1918; 1835 I Street, Washington, D. C.

Treasurer.—Vivian Franklyn Payne (Mrs. Kirby B. Payne), A.B. 1939; 1404 N. Cleveland Street, Arlington, Va.

Executive Secretary.—Lester Allan Smith, A.B. in L.S. 1932, A.M. in L.S. 1935; 2456 20th Street, Washington, D. C.

Executive Committee:

C. Oscar Berry, LL.B. 1932, A.B. 1933; 1100 H Street, Washington, D. C.

Hugh H. Clegg, LL.B. 1926 (A.B. 1920, Millsaps College); Department of Justice Building, Washington, D. C.

Jessie Fant Evans (Mrs. Joshua Evans, Jr.), A.B. and T.D. (w. d.) 1913, Ed.D. 1932; 3405 Lowell Street, Washington, D. C.

Robert H. Harmon, M.D. 1929 (A.B. 1915, Millsaps College); 1150 Connecticut Avenue, Washington, D. C.

Chester W. Holmes, Ed.D. 1936 (B.S. 1916, Ed.M. 1924, Harvard University); Franklin Administration Building, Washington, D. C.

John Littlepage, LL.B. 1926; Investment Building, Washington, D. C.

Frank H. Weitzel, A.B. 1931, LL.B. 1935; 2914 Tennyson Street, Washington, D. C.

THE GEORGE WASHINGTON UNIVERSITY MEDICAL SOCIETY

The George Washington University Medical Society, the organization of graduates of the School of Medicine, was established in 1905 and since 1926 has been affiliated with the General Alumni Association. The objects of the Society, as stated in the constitution are "The promotion of the science and art of medicine and the welfare of the School of Medicine".

1943-44

President.—William M. Ballinger, A.B. 1921, M.D. 1924; 4923 Hillbrook Lane, Washington, D. C.

President-Elect.—Robert H. Harmon, M.D. 1929 (A.B. 1915, Millsaps College); 1150 Connecticut Avenue, Washington, D. C.

First Vice President.—Fred A. J. Geier, M.D. 1925; 4948 Lowell Street, Washington, D. C.

Second Vice President.—Elma Bebee Carr, A.B. 1920, A.M. 1921, M.D. 1928; 15 E Street, Washington, D. C.

Secretary-Treasurer.—Oscar B. Hunter, M.D. 1912, A.B. 1916, A.M. 1917; 1835 I Street, Washington, D. C.

Council:

William Earl Clark, M.D. 1904; 5220 Partridge Lane, Washington, D. C.

- Leslie H. French, M.D. 1924; 1726 I Street, Washington, D. C.
 Herman S. Hoffman, A.B. 1921, M.D. 1924; 3316 Newark St., Washington, D. C.
 Howard F. Kane, M.D. 1912 (A.B. 1909, Bowdoin College); 4941 Glenbrook Road, Washington, D. C.
 Arnold McNitt, M.D. 1925, B.S. in Med. 1925, A.M. 1928; 3117 Hawthorne Street, Washington, D. C.

(Officers of the Society are ex officio members of the Council.)

THE GEORGE WASHINGTON LAW ASSOCIATION

The George Washington Law Association, the organization of graduates of the Law School, was founded in 1912 and has been affiliated with the General Alumni Association since 1926. Its purposes as stated in the constitution are to promote high standards of legal education, to keep the alumni of the Law School in closer touch with one another and especially with members of their own classes, to gather and publish at intervals information as to the whereabouts and activities of these alumni, and to further the interests of the Law School.

1943-44

- President.*—C. Oscar Berry, LL.B. 1932, A.B. 1933; 1100 H Street, Washington, D. C.
First Vice President.—Mary M. Connelly, LL.B. 1922; 1830 17th Street, Washington, D. C.
Second Vice President.—Howard P. Locke, LL.B. 1927 (B.S.C. 1923, Washington College of Accountancy); Tax Division, Department of Justice, Washington, D. C.
Third Vice President.—Charles R. Allen, Ex-1920; Washington Loan and Trust Building, Washington, D. C.
Secretary-Treasurer.—Frank H. Weitzel, A.B. 1931, LL.B. 1935; 2914 Tennyson Street, Washington, D. C.

Executive Committee:

- Mary Agnes Brown, A.B. 1924, LL.B. 1932, S.J.D. 1942; 4606 15th Street, Washington, D. C.
 Justin L. Edgerton, A.B. 1929, LL.B. 1931; 2014 Ross Road, Silver Spring, Md.
 Stanley P. Smith, LL.B. 1928; 844 Shoreham Building, Washington, D. C.
 John W. Townsend, LL.B. 1920, LL.M. 1921; 1366 National Press Building, Washington, D. C.

THE LIBRARY SCIENCE ALUMNI ASSOCIATION

The Library Science Alumni Association was organized in 1932 by graduates of the Division of Library Science and became an affiliate of the General Alumni Association in 1935. It was established to foster a closer relationship between the Faculty and graduates and to further the interests of the Division of Library Science and of the University as a whole.

1943-44

President.—William H. Heers, A.B. in L.S. 1937 (A.B. 1930, Whitman College); 508 Maple Ridge Road, Bethesda, Md.

Vice President.—A. Marguerite Matthews, A.B. 1937, A.B. in L.S. 1939; 9214 Midwood Road, Silver Spring, Md.

Secretary.—Virginia C. Whitney, A.B. in L.S. 1930; 3338 Military Road, Washington, D. C.

Treasurer.—Martha R. Schmidt, Ex-1938 (A.B. in Ed. 1930, A.B. in L.S. 1937, University of Michigan); 35 Bryant Street, Washington, D. C.

THE ENGINEER ALUMNI ASSOCIATION OF THE GEORGE WASHINGTON UNIVERSITY

The Engineer Alumni Association was organized in 1936 and has been affiliated with the General Alumni Association since that time. Its objects are to unite the graduates and Faculty of the School of Engineering in closer fellowship, to promote the general welfare of the School of Engineering and of the University at large, to foster activities of the engineering organizations recognized by the University, and to advance the profession of engineering in general.

1943-44

President.—William C. Thom, B.S. in C.E. 1904, C.E. 1905; 1346 Hemlock Street, Washington, D. C.

Vice President.—Henry W. Herzog, B.S. in C.E. 1930; 22 Duvall Drive, Westmoreland Hills, Md.

Recording Secretary.—Joseph E. Gray, B.S. in C.E. 1927, C.E. 1937; 4607 Brandywine Street, Washington, D. C.

Corresponding Secretary.—Charles J. Michelson, B.S. in M.E. 1939; 4037 7th Street, N.E., Washington, D. C.

Executive Committee:

J. Meigs Brearley, B.S. in M.E. 1931, LL.B. 1936; 1810 Shepherd Street, Washington, D. C.

Arthur R. Eno, B.S. in Eng. 1933; 3230 Wheeler Road, S. E., Washington, D. C.

Otis L. Turner, B.S. in M.E. 1932; West Falls Church, Va.

THE GEORGE WASHINGTON UNIVERSITY NURSES ASSOCIATION

The George Washington University Nurses Association was organized in 1914. In 1936 this organization was made an integral part of the General Alumni Association, and graduates of the School of Nursing were accorded associate membership. The objects of the Association are to hold in unison the graduates of the George Washington University Hospital School for Nurses, to care for its sick members, and to promote the advance of nursing in the interest of the George Washington University Hospital.

1943-44

President.—Louva Neff Baker, N.Cert. 1919; 1361 Iris Street, Washington, D. C.

Vice President.—Pauline Tarpley, N.Cert. 1931; 1228 Eye Street, Washington, D. C.

Secretary.—Flora S. Schroebel, N.Dip. 1928; 2000 16th Street, Washington, D. C.

Treasurer.—Mrs. Claudine Thomas, N.Cert. 1927; 1714 Adams Street, Arlington, Va.

REGIONAL ALUMNI CLUBS

1943-44

THE GEORGE WASHINGTON UNIVERSITY ALUMNI CLUB OF ARKANSAS

President.—

Vice-President.—Walter L. Brown, LL.B. 1920; Courthouse, El Dorado, Ark.

Secretary-Treasurer.—H. Howard Cockrill, LL.B. 1933 (B.S. 1931, University of Virginia); 825 Pyramid Building, Little Rock, Ark.

THE GEORGE WASHINGTON UNIVERSITY ALUMNI CLUB OF BALTIMORE

President.—L. Preble Marmion, A.B. 1927; 528 Nottingham Road, Ten Hills, Baltimore, Md.

Secretary.—Marie O'Dea, A.B. and M.S. in Chem. 1923; 230 South Monastery Avenue, Baltimore, Md.

Treasurer.—Archibald L. Russell, A.B. 1928; Windsor Court Apartments, Baltimore, Md.

Scholarship Committee:

- Gladys T. Hopkins, A.B. and B.Dip. in Ed. 1922 (A.M. 1931, Columbia University); 2936 McElderry Street, Baltimore, Md.
 Charles Silver, LL.B. 1916 (B.Chem. 1911, Cornell University; M.P.L. 1917, Georgetown University); 821 Calvert Building, Baltimore, Md.

THE GEORGE WASHINGTON UNIVERSITY ALUMNI CLUB OF CHICAGO

President.—Samuel W. Kipnis, LL.B. 1926; 1414 Monadnock Building, 53 West Jackson Boulevard, Chicago, Ill.

Vice President.—Louis A. Bisson, LL.B. 1915, LL.M. 1916 (M.P.L. 1916, Georgetown University); 3032 Park Place, Evanston, Ill.

Secretary.—Ruth H. Manasse (Mrs. DeWitt J. Manasse), LL.B. 1924; 111 West Washington Street, Chicago, Ill.

THE GEORGE WASHINGTON UNIVERSITY ALUMNI CLUB OF CINCINNATI

President.—

Secretary.—Charles N. Moore, M.S. 1905, Sc.D. 1932 (A.B. 1903, University of Cincinnati; Ph.D. 1908, Harvard University); University of Cincinnati, Cincinnati, Ohio.

THE GEORGE WASHINGTON UNIVERSITY ALUMNI CLUB OF CLEVELAND

President.—Emanuel M. Davidove, LL.B. 1923, LL.M. 1924; N.B.C. Building, Cleveland, Ohio

Vice President.—James T. Hoffman, LL.B. 1931 (B.S. in E.E. 1926, University of Pittsburgh); 20924 Erie Road, Rocky River, Ohio

Secretary-Treasurer.—Lucille M. Wunderlich, LL.B. 1925; 1001 Huron Road, Cleveland, Ohio

Executive Committee:

Paca Oberlin, LL.B. 1903, LL.M. 1904, M.Dip. 1905, D.C.L. 1911 (LL.D. 1927, Washington College of Law); 3145 Berkshire Rd., Cleveland Heights, Ohio

Matthew S. Farmer, LL.B. 1911; 602 Engineers Building, Cleveland, Ohio

Ira David Lucal, LL.B. 1922; 1055 Leader Building, Cleveland, Ohio

THE GEORGE WASHINGTON UNIVERSITY ALUMNI CLUB OF DALLAS

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Vice President.—

Secretary-Treasurer.—Earl E. Miller, LL.B. 1923; 3835 Opal Avenue, Dallas, Texas

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President.—Edward L. Scheufler, A.B. 1922, LL.B. 1924; 1503 Commerce Building, Kansas City, Mo.

Vice President.—Joseph A. Horigan, Phar.D. 1885; M.D. 1888; 5 East 54th Terrace, Kansas City, Mo.

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Secretary-Treasurer.—Ida G. Williams, LL.B. 1925; 1264 S. Plymouth Boulevard, Los Angeles, Calif.

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Vice President.—Morris L. Stern, LL.B. 1906; 1147 Empire Building, Milwaukee, Wis.

- Secretary.*—Arnold C. Otto, A.B. 1911, LL.B. 1913 (A.B. 1911, Lawrence College); 740 North Plankenton Avenue, Milwaukee, Wis.
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Secretary-Treasurer.—Howard Kennedy III, LL.B. 1935; First National Bank Building, Omaha, Nebr.

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Vice President.—
Second Vice President.—Nelson Littell, A.B. 1920, LL.B. 1922; 22 East 40th Street, New York, N. Y.
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- President.*—William S. Graham, M.P.L. 1908 (LL.B. 1906, LL.M. 1907, National University); Crocker Building, San Francisco, Calif.
Secretary.—William H. Atkinson, Ex-1926; 582 Market Street, San Francisco, Calif.

THE GEORGE WASHINGTON UNIVERSITY ALUMNI CLUB OF
OKLAHOMA CITY

President.—Angelo C. Scott, LL.B. and LL.M. 1885 (A.B. 1877, A.M. 1880, University of Kansas; Litt.D. 1916, College of Emporia); 310 Northwest 16th Street, Oklahoma City, Okla.

Secretary.—Harry B. Gilstrap II, A.B. 1925; 2008 Northwest 20th Street, Oklahoma City, Okla.

THE GEORGE WASHINGTON UNIVERSITY ALUMNI CLUB OF
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PHILIPPINE ISLANDS

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Secretary-Treasurer.—Paterno C. Villanueva, A.B. 1925, A.M. 1927; University of the Philippines, Manila, P. I.

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Secretary.—Alice S. Andrews, A.B. 1923 (A.M. 1934, University of Pittsburgh); 603 Broad Street, Sewickley, Pa.

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President.—Cleo Calvin Spears, Ex. 1919-22; Oswego, Oreg.

Vice President and Secretary.—Herbert W. White, LL.B. 1911; 614 Mead Building, Portland, Oreg.

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PUERTO RICO

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President.—Ramón C. Ruiz-Nazario, M.D. 1918; San Juan, P. R.

Vice President.—Rafael Rivera-Aulet, M.D. 1916; Hospital Avenue, Arecibo, P. R.

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Treasurer.—Ricardo F. Fernández, M.D. 1931; P. O. Box 673, San Juan, P. R.

Permanent Delegate at Washington.—Tomás Cajigas, M.D. 1918, B.S. in Med. 1919, M.S. 1921; 1801 I Street, Washington, D. C.

THE GEORGE WASHINGTON UNIVERSITY ALUMNI CLUB OF RICHMOND

President.—John A. Rollings, M.D. 1912; 923 West Franklin Street, Suite 104, Richmond, Va.

Secretary.—John K. Hyde, A.B. 1929; 1319 Nottoway Avenue, Richmond, Va.

THE GEORGE WASHINGTON UNIVERSITY ALUMNI CLUB OF ST. LOUIS

Secretary.—Phineas H. Lamphere, LL.B. 1931 (B.S. in E.E. 1927, University of Idaho); 208 North Broadway, St. Louis, Mo.

THE GEORGE WASHINGTON UNIVERSITY ALUMNI CLUB OF SAN FRANCISCO—SEE THE GEORGE WASHINGTON UNIVERSITY ALUMNI CLUB OF NORTHERN CALIFORNIA

THE GEORGE WASHINGTON UNIVERSITY ALUMNI CLUB OF SEATTLE

President.—Oscar A. Zabel, LL.B. 1926; Fourth & Pike Building, Seattle, Wash.

Secretary.—

THE GEORGE WASHINGTON UNIVERSITY ALUMNI CLUB OF TOLEDO

President.—LaDow Johnston, LL.B. 1929 (A.B. 1925, University of Kansas); Suite 807, Second National Bank Building, Toledo, Ohio

THE GEORGE WASHINGTON UNIVERSITY ALUMNI CLUB OF TULSA

President.—

Vice President.—

Secretary.—Lela Howard Wood (Mrs. Robert H. Wood), Ex-1910; 217 East 24th Street, Tulsa, Okla.

THE GEORGE WASHINGTON UNIVERSITY ALUMNI CLUB OF UTAH

President.— _____

Vice President.—John Jensen, LL.B. 1909 (A.B. 1906, University of Utah); 920 Continental Bank Building, Salt Lake City, Utah

GOVERNMENT CLUBS

THE GEORGE WASHINGTON UNIVERSITY INTERIOR CLUB

President.—Samuel J. Flickinger, LL.B. 1918 (LL.M. 1919, M.P.L. 1919, Georgetown University; D.C.L. 1922, American University); U. S. Indian Office, Chicago, Ill.

Vice President.— _____

Secretary.— _____

THE GEORGE WASHINGTON UNIVERSITY JUSTICE CLUB

President.—Howard P. Locke, LL.B. 1927 (B.C.S. 1923, Washington College of Accountancy); Tax Division, United States Department of Justice, Washington, D. C.

Vice President.— _____

Secretary.—Joseph A. Connors, Jr., LL.B. 1937; 4316 Windom Place, Washington, D. C.

THE GRADUATE ENDOWMENT FUND

The Graduate Endowment Fund was founded by the class of 1926 with the object of providing endowment to be used for the development of the University. Membership is limited to seniors and graduates who sign a pledge of \$100, payable annually in ten equal installments.

The pledge notes and funds are held in trust. When the principal reaches the sum of \$100,000, the Board of Administrators of the Fund may pay to the University such sums as it may vote for erection of buildings, acquisition of sites, maintenance, and purchase of equipment. At no time may money be drawn so as to leave a balance of less than \$50,000 on deposit.

On request, the Alumni Secretary of the University will furnish pledge blanks to alumni.

BOARD OF ADMINISTRATORS*

Chairman.—Ludwig Caminita, Jr., B.S. 1934, A.M. 1937; 501 North Lincoln Street, Arlington, Va.

Vice Chairman.—Margaret Maize Boaz (Mrs. J. Noble Boaz), A.B. 1928; 7212 Aberdeen Road, Bethesda, Md.

* Elected by the subscribers.

Members:

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 Wilhelmina Gude Hussey (Mrs. Hugh Hussey), A.B. in Ed. 1931;
 3354 Stuyvesant Place, Washington, D. C.
 Arthur F. Johnson, M.E. 1915 (Ph.D. 1938, University of Michigan);
 1208 Oakcrest Road, Arlington, Va.

Executive Secretary.—Lester Allan Smith, A.B. in L.S. 1932, A.M. in L.S. 1935; The University

THE COLUMBIAN WOMEN

The objects of this organization are (1) the promotion of acquaintance-ship among its members; (2) the advancement of women by the founding of scholarships in the various departments of the University, and by every other possible means; and (3) the promotion of the interests of the University in every way.

MEMBERSHIP

1. The following persons shall be eligible for active membership:
 - (a) any woman who for one year has been a regularly registered student in The George Washington University; provided that she shall have received credit for thirty hours of work; (b) any woman member of the Faculties, Council, or Board of Trustees, any woman on the administrative staff; the wife or recognized head of the household of any member of the Faculties, Council, Board of Trustees, or of the administrative staff; (c) any woman recipient of an honorary degree from the University.
2. The following persons shall be eligible for associate membership:
 - (a) any graduate woman student upon her registration in the University; (b) the wife of any graduate student upon the registration of the latter in the University.

Associate members shall have all privileges and obligations of membership except those of voting and holding office.

1943-44

President.—Meta F. Eldridge (Mrs. Watson W. Eldridge, Jr.); Staff House, No. 6, St. Elizabeths Hospital, Congress Heights, D. C.

First Vice President.—Alice H. Drake, Ex. 1918; 2400 16th Street, Washington, D. C.

Second Vice President.—Clara P. Yeager (Mrs. W. Hayes Yeager); 1604 44th Street, Washington, D. C.

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- Recording Secretary*.—Elise W. Kissling (Mrs. Thomas E. Kissling), A.B. (w. d.) 1929, A.B. in L.S. 1934; 309 Newport Avenue, Westgate, Friendship Station, D. C.
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- Assistant Treasurer*.—Florence Taylor Handy (Mrs. John B. Handy); A.B. 1914; 100 5th Street, Washington, D. C.
- Historian*.—Katherine Scrivener, A.B. and B.Dip. in Ed. 1928; 6912 6th Street, Washington, D. C.

HONOR SOCIETIES

Phi Beta Kappa.—A national honor society recognizing "outstanding intellectual capacity well employed" in the field of liberal arts and sciences. Senior and junior students who are candidates for the degree of Bachelor of Arts or Bachelor of Science in Columbian College (in exceptional cases, senior and junior students in other non-professional divisions of the University) and who have shown broad cultural interests, distinguished scholarly achievement, high character, general promise, and scholarly ideals may, to a number not exceeding 15 per cent of a class, be elected to membership by the Faculty members of the Alpha Chapter of the District of Columbia.

Sigma Xi.—A national scientific honor society, the purpose of which is to encourage original investigation in science pure and applied. Outstanding graduate students in the sciences are eligible for full membership, and undergraduates who have shown marked ability in research may be elected to associate membership.

Order of the Coif.—A national legal society, the purpose of which is to foster a spirit of careful study and to mark in a fitting manner those who have attained a high grade of scholarship. Members are elected each year from the highest 10 per cent of the graduating class of the Law School.

Sigma Tau.—A national engineering fraternity, the purpose of which is to recognize scholarship and professional attainment.

Alpha Lambda Delta.—A national fraternity established to encourage and reward high scholarship and attainment, membership in which is limited to those freshman women who attain a scholastic average of at least 3.50.

Artus.—A national economics society.

Delta Sigma Rho.—A national forensic honor society.

Gate and Key.—An interfraternity society.

Iota Sigma Pi.—A national honorary chemical society for women.

Mortar Board.—A national honorary society for senior college women, stressing leadership, scholarship, and service.

Omicron Delta Kappa.—A national fraternity emphasizing leadership in extracurricular activities.

Phi Delta Kappa.—A national honorary fraternity for men in the field of education.

Phi Eta Sigma.—A national fraternity established to encourage and reward high scholarship and attainment, membership in which is limited to those freshman men who attain a scholastic average of at least 3.50.

Pi Gamma Mu.—A national social-science society.

Pi Lambda Theta.—A national honorary fraternity for women in the field of education.

Sigma Gamma Epsilon.—A national honorary geology fraternity.

Sigma Pi Sigma.—A national honorary physics fraternity.

Sigma Rho.—Honorary research society in physiology.

Smith-Reed-Russell Society.—A scholastic society in the School of Medicine. Students of the third and fourth years who maintain a scholastic average of 86 per cent are eligible for associate membership.

William Beaumont Medical Society.—A society founded with the object of encouraging and stimulating medical students in work of individual investigation.

STUDENT ORGANIZATIONS

PROFESSIONAL FRATERNITIES

Alpha Chi Sigma (chemistry), Alpha Epsilon Iota (medicine), Alpha Kappa Kappa (medicine), Alpha Kappa Psi (commerce and economics), Alpha Pi Epsilon (home economics), Chi Upsilon (geology), Delta Phi Epsilon (foreign service), Delta Theta Phi (law), Kappa Beta Pi (law), Mortar and Pestle (pharmacy), Nu Sigma Nu (medicine), Phi Alpha Delta (law), Phi Chi (medicine), Phi Delta Delta (law), Phi Delta Epsilon (medicine), Phi Delta Gamma (graduate), Phi Delta Phi (law), Phi Pi Epsilon (foreign service), Phi Sigma Rho (philosophy), Pi Delta Epsilon (journalism), Theta Tau (engineering).

SOCIAL FRATERNITIES

Sigma Chi, Kappa Sigma, Kappa Alpha, Theta Delta Chi, Phi Sigma Kappa, Sigma Alpha Epsilon, Sigma Phi Epsilon, Phi Alpha, Sigma Nu, Acacia, Tau Kappa Epsilon, Tau Alpha Omega, Pi Kappa Alpha.

SOCIAL SORORITIES

Pi Beta Phi, Chi Omega, Sigma Kappa, Phi Mu, Alpha Delta Pi, Delta Zeta, Kappa Delta, Phi Sigma Sigma, Zeta Tau Alpha, Kappa Kappa Gamma.

DEPARTMENTAL CLUBS

Aesculapian Society (pre-medical), Student Bar Association, American Society of Civil Engineers, American Institute of Electrical Engineers, The Engineering Council, Le Cercle Francais Universitaire, El Club Español, Charles Clinton Swisher History Club, Home Economics Club, American Society of Mechanical Engineers, A. F. A. King Obstetrical Society, Psychology Club, Schoenfeld Verein, Lester F. Ward Sociological Society, Orchesis, Portuguese Club, Student Branch American Pharmaceutical Association.

RELIGIOUS ORGANIZATIONS

Baptist Student Union, B'nai B'rith Hillel Foundation, Canterbury Club, Christian Science Organization, Luther Club, Newman Club, Wesley Club, Westminster Club.

MUSICAL ORGANIZATIONS

Girls' Glee Club, Men's Glee Club, Symphony Club.

STUDENT PUBLICATIONS

The Cherry Tree (the annual), *The University Hatchet* (weekly newspaper), *The George Washington Law Review*.

OTHER ACTIVITIES

Colonial Campus Club, Cue and Curtain Club (dramatics), Debate Council, Interfraternity Council, International Students Society, Junior Panhellenic Council, Masonic Club, Panhellenic Council, Student Council, Women's Athletic Association, Women's Fencing Club.

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THE UNIVERSITY RECORD

1943-44

CERTIFICATES AWARDED AND DEGREES CONFERRED

THE JUNIOR COLLEGE

JUNIOR CERTIFICATE

JUNE 2, 1943

Abrams, Phyllis (With honors)	D.C.	Hutton, Ruth Edell	Wash.
Albertson, Shirley Carter	Va.	Jackson, Robert Eugene	Ind.
Averill, Virginia	Md.	Jacobson, Marshall Hannis	Va.
Bagby, Mary Lawton	Md.	Jetton, Girard Reuel, Jr.	D.C.
Bailey, Annie Elizabeth	Ala.	Jones, Virginia Walton	Va.
Band, Philip Theodore	D.C.	Karle, Betty June	Md.
Barnett, William Martin	D.C.	(With honors)	
Bernstein, Carol Bernice	D.C.	Kelly, Elizabeth Graham	D.C.
Birdsell, John Edmund	D.C.	Knight, Robert Whitney	Fla.
(With honors)		Kotr, Leonard	D.C.
Blevins, Mildred Louise	D.C.	Kreibiel, Mary Lou	Ohio
Bisart, Ruth Irene	Calif.	Lakas, Nicholas Spiros	D.C.
Bolster, Edward Andrew	Calif.	Lay, Kenneth Swift	Mo.
Bresler, Arthur S.	N.Y.	Lichens, Dorothy Jane	D.C.
Brown, Ludi Crockett	Va.	Lieberts, Hermine	Ill.
Bruley, Mary Elizabeth	Md.	Lightfoot, Mabel Van Horn	Va.
Campbell, Mary Elliott	Md.	Lundberg, June Camellia	Fla.
Carter, Esther Paula	Pa.	Lyddane, Barbara Louise	Md.
Carter, Betty Erwin	D.C.	Lvon, Mildred Carolyn	D.C.
Chasen, Irving Lee	D.C.	(With honors)	
Cherchia, Rosechina	D.C.	MacCabe, William James	Calif.
Chen, June Rue	D.C.	Mangold, Robert J.	Ma.
Clegg, Mary S.	D.C.	Marks, Pauline Galen	Maine
Cline, George Harwood	D.C.	McReynolds, James Sloan	D.C.
(With honors)	Calif.	(With honors)	
Coudee, Bonnie Lovell	D.C.	Montgomery, Emma Gray	D.C.
Connor, Jean	D.C.	Morganston, Dolores Ethel	D.C.
Cooper, Joseph David	N.Y.	Morris, Frances Jeannette	Va.
Daniel, Charles Raymond Cotton	Mass.	Neira, Gloria Calvin	Panama
Davis, Cathryn Ann Riggelman	Md.	Norris, Edith Tipton	D.C.
Dawson, Bette	D.C.	(With honors)	
(With honors)		O'Rourke, Nancy Jane	D.C.
DeRosa, Edward Francis	Mass.	Pagter, Elizabeth Eugenia	D.C.
Diamond, Zelda	D.C.	Perman, Marion	N.Y.
(With honors)		Phillips, Virginia Scott	D.C.
Dik, Elsa Lilly	N.Y.	Price, Helen Louise	Va.
Dubin, Harold	D.C.	Proctor, Eugene Anthony	Conn.
Ellmore, Winant Stubbs	Va.	Putnam, Frances Elizabeth	Md.
Elvick, Solomon	D.C.	Rose, Mary Virginia	S.D.
Farmer, Anne Caroline	S.C.	Ross, Ethel Louise	Va.
Felersky, Charles	D.C.	Sager, Barbara Ann	Va.
Garrison, Lorna	Va.	Sandberg, Mary Harvester	Va.
Gassick, Verna	D.C.	Schack, Joseph Philip	D.C.
Gouldson, Edsel Warren	Ill.	Seal, Stanley Marvin	D.C.
Harlow, Dorothy Mary	Md.	Shapard, Mary Elizabeth	N.Y.
Harlan, Mariette Elizabeth	Md.	Sherratt, Sidney	D.C.
Harpster, Leatrice Joy	D.C.	Shiner, Jane	D.C.
Heber, Moses Bernard	N.Y.	Simmons, John Rogers	D.C.
Hennart, Sidney	D.C.	Sisler, Margaret Arthur	Va.
Hesson, Alice Domino	Kans.	Smit, Louis Elsie	
(With honors)		(With honors)	
Hoppaw, Vivienne Lucy	D.C.	Snider, Mary Jane	D.C.
Hoover, Mae Jean	D.C.	Spongel, Irving A.	N.Y.
Howland, Harold Howard, Jr.	Mass.	Stein, Anne Kapelman	N.Y.
Huddleston, James Edgar, Jr.	D.C.	Stewart, Olayna Sykes	D.C.
		Swartz, Jean Luna	Va.

COLUMBIAN COLLEGE

BACHELOR OF ARTS

JUNE 2, 1943

Adamson, Keith Earl	Kans.	Klyce, Dorothy	Mass.
Adelman, Sara	N.Y.	Knox, Luellyn Mae	N.D.
Anderson, Nellie Carr	D.C.	Leder, Beverly Doris	D.C.
Ashford, Anita Appleby	D.C.	Leater, Grace Margaret	Va.
Atland, Lillian Eldora	Minn.	Lichtman, Joseph Mantell	D.C.
Atterberry, Phil Russell	Mo.	Littman, Richard Anton	N.Y.
Baird, Elizabeth Hannah	Mich.	Lewis, Florence Beall	D.C.
Betta, Mary McIntire	D.C.	Lowry, Florence Beall	Fla.
Bogdanoff, Claudia T.	Ill.	Maek, James Edward	Va.
Bogdanoff, Isidore	N.Y.	Madden, Jeanne	D.C.
Botta, Phyllis Regina	D.C.	Mallett, Helen Louise	D.C.
Braun, Lydia I.	M.	Martson, Helen Irene	Pa.
Brown, Mina Foster	D.C.	McCallough, Jane Elizabeth	Pa.
(With distinction)		McNeese, Susan	W. Va.
Calvert, Gordon Lee	D.C.	Meyer, James Beryll, Jr.	Oreg.
(With distinction)		Meyers, Barbara	Md.
Campbell, Lorene	Ark.	Morgan, Augusta Anne	D.C.
Campbell, Marguerite Frederick	D.C.	Murden, Kenneth White	Ark.
Coffey, Loessa Taylor	D.C.	Neill, Sammie Jean	D.C.
Cohn, Harry	N.Y.	Nessell, Clara Jean	Ill.
Colburn, Elizabeth Harriet	D.C.	Ormsw, Leo Meyer	D.C.
Collins, Eleanor Beachley	Va.	Overstreet, Phoebe Lucille	
Conkey, Ralph Hill	D.C.	(With distinction)	
Cutruelli, Juliette Kaufman	Ga.	Pai, Inez Pai Soon	Hawaii
Dailey, Charlene	Colo.	Parks, Albert Benning	D.C.
Dalzell, Henry Paskins	D.C.	Pearlman, Lia Weiss	D.C.
Darby, Ruth	D.C.	Phillips, Howard Matthew	D.C.
Darnall, Eleanor Barclay	D.C.	B.S. in Ed. 1942; Wilson Teachers	
Davis, Harold Arthur	D.C.	College	
Dekelbaum, Bertha	D.C.	Phillips, Mary Patterson	Nev.
(With distinction)		Powers, Patricia	Ohio
Emmert, Anne Catherine	Md.	Rounds, Katherine Hadley	Md.
Farrell, John Rhea	D.C.	Sales, Sydney Gaudin	D.C.
(With distinction)		Shaffer, Frederick Mettam	D.C.
Field, Constance Robison	Kans.	Smater, Francis Harriett	Va.
Fisher, Lisbeth Dodson	Oreg.	Smathers, L. Jene Mary	Va.
Fowler, Sherleigh Glad	D.C.	Smell, Ida Davis	Va.
Gersten, Charles David	Conn.	Stambaugh, Anna May	N.Y.
(With distinction)		Steers, Dorothy Mabel	D.C.
Greene, Doria Laymon	Ga.	Stebert, Jack Norman	D.C.
Gropen, Joseph	N.Y.	Stell, William Marlin	N.Y.
Hassell, Ann Clark	Md.	Sutbur, Chester Frank	Md.
Herrick, Joseph Francis, Jr.	Wis.	Sutton, Faith Merdenhall	Fla.
Howell, Mary Virginia	Va.	Thomas, Frank Vesta	D.C.
(With distinction)		Trimpson, Sarah Spearman	S.C.
Kaufman, Gertrude Mary	D.C.	Timmerman, William Barton	D.C.
Kendrick, Eileen	Va.	Victor, Jeanne Freemann	Va.
Kenyon, Kenneth Archibald	D.C.	Viet, Leland Arthur	D.C.
(With distinction)		Warner, Adrienne	Pa.
Keve, Paul Willard	Va.	Washington, Bushrod Corbin, Jr.	D.C.
Kloth, Gilbert Frank	Nebr.	Wechsler, Herbert Milton	D.C.
LL.B. 1940, The George Washington		Winkerd, Eldon Wayne	Ill.
University		Wlodek, Alasta	

NOVEMBER 17, 1943

Adams, Samuel Webster	D.C.	Gee, George Leonard, Jr.	D.C.
Bers, Melvin	D.C.	Gloss, Donald Lyons	Pa.
Bishop, George Edward	Mass.	Grady, Stafford Robert	Mich.
Blair, Edwin	N.Y.	Hampes, Ross Harry, Jr.	D.C.
Boyd, William Dunbar	D.C.	Johann, Morton	D.C.
Bussey, Howard Emerson	S.D.	Johann, William H.	Va.
Engel, Gertrude	N.J.	Kartus, Beatrice June	D.C.
Everingham, Carolyn Weaver	D.C.	Kean, John Harper	D.C.
Farber, Evelyn Weiner	N.Y.	Lane, Walter Harold, Jr.	Va.
Frazier, Donald Benjamin	D.C.	Lauck, Ellen	D.C.

Loggins, James Elwyn, Jr.	D.C.	Pizer, Samuel	N.Y.
Lyons, David Robert	N.J.	Preisser, Warren Godfrey	D.C.
Mann, Louise Edwards	D.C.	Raines, Sadie Shirley	Ch.
Mattingly, Robert A., Jr.	D.C.	Schatz, Muriel Maxine	D.C.
McCarthy, Robert Joseph	N.J.	Seeluck, Adolph	N.Y.
Mead, Charles Alexander, Jr.	Id.	Speer, John Bristol	Ok.
Marell, William Nelson, Jr.	Id.	Spitz, Hillel	Conn.
Nagy, Lillian Sophia	W.Va.	Steele, Betty Lu	Kent.
Nauman, Robert Morton	D.C.	Stirling, Margheritta	D.C.
Osborne, Lillian Marks	Calif.	Stoller, Raymond	D.C.

FEBRUARY 22, 1944

Banks, Melvin Roger	N.Y.	Meyers, Mary Ream	W.Va.
Bennett, Emily Frances	Id.	Moore, Donna Maxine	D.C.
Cunkley, Constance Lavinia	N.Y.	O'Brien, Margaret Claudia	D.C.
Dischel, Frank	D.C.	Parotto, Fortunato	D.C.
FitzSimmons, Mary Lewis	Va.	I. B. 1949, The George Washington University	Pa.
Forenigott, Ruth Elizabeth	D.C.	Refsnyder, Charles Frank	D.C.
Kalmans, Ethel Toby	D.C.	Rommel, Theodore Constantine	D.C.
M. Duffie, Eleanor Ann	D.C.	Thomas, Fird Pearce	D.C.
McGinniss, Barbara Mace	D.C.		
McNeil, Ann Rosaline	N.J.		

BACHELOR OF SCIENCE

JUNE 2, 1943

DeButts, Edward Herbert, Jr.	Va.	Matthews, Danhigh Schuyler	Va.
Dolnick, Ethel Helen	N.Y.	Miller, Frank Nelson, Jr.	D.C.
Eckert, Thomas Joseph	D.C.	Parkinson, Caroline Bowman	D.C.
Gardner, Marshall Claxson	Ind.	Reed, James Merritt	Va.
Gimble, Abraham Isadore	D.C.	Schmidt, William Edward	Id.
Greene, Samuel Nathan	N.Y.	Shapton, Leonard	N.Y.
Klaasse, James Mason	N.Y.	Shapless, Norman Edward	D.C.
Leenov, Daniel	Mich.	Wolff, Louis	N.Y.
	D.C.		

NOVEMBER 17, 1943

Anderson, Alton DeWitt, Jr.	D.C.	Masel, Bernard	N.Y.
Apfel, Jacob Jack	Conn.	McCoy, Horace Lyman, Jr.	Id.
Bresler, Arthur S.	N.Y.	Smith, Breedlove, Jr.	Tex.
Cammisa, Guido Frank	Conn.		

FEBRUARY 22, 1944

Chew, Geoffrey Eugene	D.C.	Lamb, John James	Pa.
(With distinction)		Marans, Nelson Samuel	D.C.
Gibson, Guy Morton	Tex.		

MASTER OF ARTS

JUNE 2, 1943

Brown, Mary Frances	D.C.	Erol, Yildiz Mail	Turkey
A.B. 1912, American University		A.B. 1942, The George Washington University	
Chertock, George	N.Y.	Gilman, William Henry	D.C.
B.S. 1939, College of the City of New York		A.B. 1933, Harvard University	D.C.
Chew, Audrey	D.C.	Smith, Josephine Lucille	
A.B. 1941, The George Washington University		A.B. 1910, University of Buffalo	

NOVEMBER 17, 1943

Ann, Thelma A.	D.C.	Snow, Robert Maughan	Id.
A.B. 1918, The George Washington University		B.S. 1940, The George Washington University	
Hale, Teresa Vaughn	Mass.	Thompson, Mary Scott	N.Y.
A.B. 1940, The George Washington University		A.B. 1920, Columbia University	
Sammons, Robert Lee	Id.		
A.B. 1940, The George Washington University			

FEBRUARY 22, 1944

Hurdis, Sara Briden
A.B. 1940, University of North
Carolina

R.I.

MASTER OF SCIENCE

JUNE 2, 1943

Silk, Harry
B.S. in E.E. 1911, Newark College
of Engineering

N.J.

FEBRUARY 22, 1944

Gee, Edwin Austin
B.S. 1941, The George Washington
University

W.Va.

THE GRADUATE COUNCIL

DOCTOR OF PHILOSOPHY

JUNE 2, 1943

Bailey, William Henry III
B.S. 1938, The George Washington
University
Thesis: "Studies in the Metabolism
of Mannose"

D.C.

Lothrop, Rex Elias
B.S. 1929, Tulane University
M.S. 1928, University of Washington
Thesis: "Saturation Relations in
Aqueous Solutions of Some Su-
gar Mixtures with Special Refer-
ence to Higher Concentrations"

Pa.

Kuether, Carl Albert
A.B. 1936, Miami University
M.S. 1940, Wayne University
Thesis: "Studies of the Tissue Con-
centrations of Ascorbic Acid in
the Guinea Pig at Different Lev-
els of Ascorbic Acid Intake"

Ohio

FEBRUARY 22, 1944

Martin, Alexander Campbell
A.B. 1920, Oberlin College
M.S. 1924, North Carolina State
College
Thesis: "Comparative Internal Anat-
omy of Seeds"

Calif.

Robbins, Mary Louise
A.B. 1934, American University
A.M. 1940, The George Washington
University
Thesis: "Some Factors Involved in
the Antigenic Analysis of *Lister-
illa Monocytogenes*: With Special
Reference to the Expression of In-
dividual Components under Vari-
ous Conditions"

Md.

THE SCHOOL OF MEDICINE

DOCTOR OF MEDICINE

JUNE 2, 1943

Irani, Ardeshir Behram, Jr.

D.C.

NOVEMBER 17, 1943

Adams, George David
A.B. 1944, The George Washington
University
Akman, Leonard Carl
A.B. 1941, The George Washington
University
Andrus, Don Leverett
A.B. 1941, The George Washington
University

D.C.

Aras, Roseline Eneida
Armstrong, Robert Hasmon, Jr.
Ashurst, Robert Turpin III
A.B. 1941, University of Alabama
Blair, Benjamin Ralph
B.S. 1940, Catholic University of
America

Va.

Panama
D.C.
Ala.

N.J.

Bloom, Gerald Barron A.B. 1940, University of California at Los Angeles	Calif.	Kroutil, Persis Marti B.S. 1940, The George Washington University	Va.
Boling, John Stephen B.S. 1939, Roanoke College	Va.	Kurstin, William A.B. 1943, The George Washington University	D.C.
Brodie, Sidney A.B. 1940, Harvard University	Mass.	Larson, John David, Jr. A.B. 1940, Erskine College	Md.
Brown, Raymond Nathan Coleman, Allan Bertram (With distinction)	D.C.	Loube, Samuel Dennis (With distinction)	D.C.
Connor, Joseph Augustine, Jr. Criley, Francis Joseph Daines, Joseph Gordon B.S. 1936, Utah State Agricultural College	P.I. D.C. Idaho	A.B. 1941, The George Washington University	Mass.
Dorius, John Byron A.B. 1941, University of Utah	Utah	Marble, George Herbert B.S. 1940, Michigan State College	Mich.
Dowd, James Francis DuChes, John William Fawcett, John Gray A.B. 1940, Colgate University	D.C. Ohio N.J.	McCrea, John Weed B.S. 1940, Michigan State College	P.R. D.C.
Fegan, John Bernard Furtest, Herbert Joe Francis, James Carrington A.B. 1941, University of Alabama	D.C. Okla. Ala.	Medina, Antonio Samuel, Jr. Mengarini, Ariel Aldace Anteo A.B. 1941, The George Washington University	N.J. Pa.
Garby, Rodes Carl Graves, Richard Stebbins A.B. 1940, Miami University	D.C. Ohio	Merliss, Harry Mori, Primo B.S. 1940, Dickinson College	Ala.
Gruender, Jack Emil Max Hoppe, Emerson Eli B.S. 1940, Albright College	Wis. Pa.	Nichols, Henry Thomas A.B. 1941, University of Alabama	Tex.
Hughes, John Ames Jagers, Frank Yewdall, Jr. B.S. 1939, Dickinson College	D.C. D.C.	Norris, Ronald Frederick A.B. 1940, University of Texas	N.J.
Jeans, Howard Stafford Johnson, Marvin Emerson A.B. 1940, Transylvania University	Ohio Ky.	Panzer, Norman A.B. 1940, New York University	Utah Wash. N.Y.
Kagan, Harold Nathan A.B. 1942, The George Washington University	N.Y.	Parkinson, Dee Rich Partlow, Kenneth Lawrence II Pearlmuter, Morris A.B. 1941, The George Washington University	D.C.
Kailin, Eloise Whittlesey A.B. 1941, The George Washington University	D.C.	Pole, Samuel Boyce III A.B. 1941, University of Kentucky	D.C.
Kaufman, Irving A.B. 1939, New York University	N.J.	Ray, Enos B.S. 1940, University of Maryland	Conn.
Kelley, James Leo, Jr. A.B. 1940, University of California	Calif.	Reidy, Joseph Carey B.S. 1940, Catholic University of America	Utah Mo.
Kirk, Daniel Lee Kling, Suzanne Kaufman A.B. 1940, Smith College	Pa. Va.	Richards, Guy Adams Schewe, William John A.B. 1939, B.S. 1943, University of Missouri	Calif.
Knight, Raymond Lydon A.B. 1943, University of California	Calif.	Smiley, Stanley Joseph A.B. 1940, University of California	Va.
Koch, Leslie Charles A.B. 1940, University of Utah	Utah	Smith, Gordon Mursbach A.B. 1941, The George Washington University	Va.
Kroutil, Ludwig Carl A.B. 1941, The George Washington University	Va.	Vicelhol, Asa William Wentworth, John Edward A.B. 1939, Albion College	Mich. Conn.
		Winfield, Raymond Joseph B.S. 1940, Catholic University of America	

THE LAW SCHOOL

BACHELOR OF LAWS

JUNE 2, 1943

Baker, Robert Merritt A.B. 1939, The George Washington University	Colo.	Benner, James Harrison A.B. 1939, University of Maryland	Md.
Baldwin, George Hull, Jr. B.Eng. 1936, Yale University	Va.	Biron, Naomi Beasie A.B. 1938, The George Washington University	D.C.
Beckler, David Zander B.S. in Chem. Eng. 1939, University of Rochester	D.C.	Caldwell, Samuel Craighead Christie, Alfred III A.B. 1939, The George Washington University	N.C. Md.

Degrees Conferred

315

Clark, William Carl B.S. 1936, Cumberland University	Tenn.	Kendrick, John Alexander A.B. 1942, The George Washington University	D.C.
Cone, Walton Owen	Tex.	Kletchka, Marguerite Rose	D.C.
Daugherty, John Thomas Cotton II A.B. 1940, The George Washington University	Minn.	Narson, Wiley A.B. 1948, Atlantic Christian College	N.C.
Depro, Lewis Fisher Ph.B. 1933, Holy Cross College	Mass.	Poole, John Courtney Ransay, Max F.	D.C.
Dominick, William Elliott B.Chem. 1939, Cornell University	Mass.	Roderick, Walterene Price A.B. 1947, Mississippi State College for Women	Tex.
Fuller, Terryl Fred A.B. 1946, University of Illinois	Ill.	A.M. 1959, University of Southern California	Miss.
Gellon, Frank Roseben B.S. in Eng. 1953, C.E. 1954, College of the City of New York	N.Y.	Rusch, Ruth Constance A.B. 1940, Connecticut College	Conn.
Head, James Felton Hersch, Mary A.B. 1932, Hunter College	N.C.	Swords, Robert Joseph Ed.B. 1946, Milwaukee State Teachers College	Wis.
Hogenson, Roald Alma A.B. 1934, University of Utah	N.Y.	Willard, John Blevney B.S. in M.E. 1937, Worcester Polytechnic Institute	Conn.
Johnson, Robert Monroe A.B. 1939, University of North Dakota	Utah	Wood, Walter Preston B.S. 1946, University of Alabama	Va.
Jones, Joe Allen B.S. 1939, The George Washington University	N.D.	M.S. 1937, University of Washington	
	D.C.		

NOVEMBER 17, 1943

Fitchford, Harry, Jr. A.B. 1940, University of Oklahoma	Okla.	Udall, John Nicholas	Ariz.
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FEBRUARY 22, 1944

Bier, William B.S. 1939, Brooklyn College	N.Y.	Simmons, Robert William B.S. in Met. Eng. 1936, University of Missouri	Va.
Brown, William Vincent, Jr. B.B.A. 1941, University of Texas	Tex.	Skubitz, Joseph, Jr. B.S. 1920, M.S. 1934, Kansas State Teachers College	Kans.
Henba, Alton Woody A.B. 1941, The George Washington University	Minn.	Smith, Edwin Stratford Wilkie, Horace White	Utah
Muholland, Eugene John A.B. 1939, University of Washington	Wash.	A.B. 1948, University of Wisconsin	Wis.
Sabia de Medeiros, Fernando Diploma 1933, Ecole Libre des Sciences Politiques	Brazil		

MASTER OF LAWS

JUNE 2, 1943

Barton, Olive Neville Ph.B. 1914, University of Chicago	Mich.	Tomascik, Joseph George A.B. 1945, Cornell University	Pa.
J.D. 1921, A.B. in L.S. 1942, University of Michigan		LL.B. 1941, Dickinson School of Law	
Schwartzbach, Eleanor A.B. 1932, Hunter College	Pa.		
J.D. 1941, The George Washington University			

NOVEMBER 17, 1943

Cruz, Erasmo Ramirez LL.B. 1937, University of the Philippines	P.I.
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FEBRUARY 22, 1944

Concepcion-de-Gracia, Gilberto B.B.A., LL.B. 1932, University of Puerto Rico	P.R.	Farr, Harry Haskett B.S. 1929, Northwestern University M.B.A. 1931, Harvard University LL.B. 1936, University of Illinois	Ill.
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Richards, Channing Leathers
M.E. 1934, Cornell University
LL.B. 1941, The George Washington
University

D.C. Ryles, Willie Yeates
B.S. 1939, American University
J.D. 1943, The George Washington
University

Miss

JURIS DOCTOR

JUNE 2, 1943

Barber, Oren Gilbert
B.S. 1920, Northwestern University
Grabber, John Leroy
A.B. 1939, Kalamazoo College
Hudson, Robert Wade
A.B. 1939, University of Tulsa
Ryles, Willie Yeates
(With distinction)
B.S. 1939, American University

Va. Turney, Dillon S.
B.S. in F.E. 1947, Iowa State College
Mich. Varner, David Edwards
B.S. 1936, Massachusetts Institute
Okla. of Technology
Miss.

D.C.

D.C.

NOVEMBER 17, 1943

Bell, Mary-Katherine Morris
A.B. 1934, Stanford University

Nev. Murphy, Jay W.
A.B. 1933, University of Illinois

Ill.

FEBRUARY 22, 1944

Denny, Ethel Mary
A.B. 1941, The George Washington
University
Hooper, Olcott Lorin
B.S. in C.E. 1933, Massachusetts
Institute of Technology

Pa. Patterson, Donald MacKelvy
B.S. in C.E. 1930, Bucknell Uni-
versity
Md. Voit, Richard Louis
(With distinction)
B.S. in E.E. 1930, University of
Wisconsin

N.Y.

D.C.

THE SCHOOL OF ENGINEERING

BACHELOR OF CIVIL ENGINEERING

JUNE 2, 1943

Ballard, Richard Patton

Colo. Tarbett, Ralph Lawrence

Md.

NOVEMBER 17, 1943

Randall, William Eddy

D.C. Scholl, James Edward
B.S. in M.E. 1934, University of
Kentucky

Ind.

FEBRUARY 22, 1944

Hunt, Kermit Allan

Md.

BACHELOR OF ELECTRICAL ENGINEERING

JUNE 2, 1943

Beatson, Whitwell Torre
Hermach, Francis Lewis

Va. Weston, Robert Gordon
Ill.

N.Y.

NOVEMBER 17, 1943

Bondy, Michael Frank

N.Y. Solow, Max
(With distinction)

D.C.

FEBRUARY 22, 1944

Bennett, Evert Gardiner
Schreiner, Edmund Douglas

Oreg. Sae, Wilbur Carl
D.C.

D.C.

BACHELOR OF MECHANICAL ENGINEERING

JUNE 2, 1943

Brady, Dick Samulon
Gramberg, John Charles
B.S. in C.E. 1934, Manhattan College

D.C. Long, Omer McClellan
D.C.

Md.

NOVEMBER 17, 1943

Brinkman, William Anthony	D.C.	Sibert, William Bridgman	D.C.
Casella, Raymond Francis	D.C.	Towers, Richard Rutledge	N.H.
Games, David Damant	D.C.	BS in C.E. 1947, University of	
Hawley, Charles Burridge, Jr.	Md.	New Hampshire	
Lahna, Adolph Alexander	Ohio		

FEBRUARY 22, 1944

Haupt, David Carner	D.C.	Kincaid, James Fawcett	Va.
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BACHELOR OF SCIENCE IN ENGINEERING

JUNE 2, 1943

Hartman, George William	Calif.	Rabineau, Morton	D.C.
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NOVEMBER 17, 1943

Barbuto, Anthony Robert	Conn.	Leonard, Frederic Buchanan	Md.
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FEBRUARY 22, 1944

Lupo, Raphael Cyrus Matthew	N.Y.
B.S. in C.E. 1922, Cooper Union	

THE SCHOOL OF PHARMACY

BACHELOR OF SCIENCE IN PHARMACY

JUNE 2, 1943

Barnett, William Martin	D.C.	Tucker, John Franklin	Va.
Brock, Howard Thomas	D.C.	Twigg, Theodore Kendall	Md.
Klipp, Morris Rex	D.C.	Volchko, Emil Samuel	Ohio
Robin, Robert Louis	D.C.		

NOVEMBER 17, 1943

Manon, Ralph Waldo	Pa.	Shapiro, Paul	D.C.
Rice, David Lucian	Va.	Thomas, George Stanley	Md.
Knop, Ivan Elmer, Jr.	Ohio		

FEBRUARY 22, 1944

Saury, August Joseph	Ohio
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THE SCHOOL OF EDUCATION

BACHELOR OF ARTS IN EDUCATION

JUNE 2, 1943

Brock, Alvin Chapin	Md.	Pascall, Albert	N.I.
Fricke, Gertrude Adela	Iowa	Smith, Virginia Slayton	Md.
Hall, Ellis	Pa.	Thompson, Nellie Letta	Neb.
Hronik, Louise Esther	Va.	Vize, Alma Roscoe	Wash.

NOVEMBER 17, 1943

Besemer, Cleo Michelson	D.C.	McClure, Dora Florence	D.C.
Kemper, Lucille Cowan	Md.	Redfield, Adele Price	D.C.
Landau, Shirley Florence	Pa.	Zola, Ida Mary	D.C.

FEBRUARY 22, 1944

Irving, Dawn Louise	D.C.	Umar, Yassouf	Iraq
McQueen, Robert Keith	Iowa	Vandaman, Mildred Alice	Ala.
Norton, Margaret Bell	D.C.	Wagner, Mary Gertrude	D.C.
Ryan, Mary Hyatt	Md.	Wells, Dorothy Jane	Ill.

BACHELOR OF SCIENCE IN HOME ECONOMICS

JUNE 2, 1943

Farwell, Dorothy Ellen
 Fulmer, Anne Caroline
 Hixson, Alice Domino
 (With distinction)

D.C. Manzke, Myrtle F. C.
 S.C. Shirky, Roberta Lynn
 Kans. Yager, Ruth Jean

Miss
 Mo.
 Va.

BACHELOR OF SCIENCE IN PHYSICAL EDUCATION

JUNE 2, 1943

Fitzgerald, John Pershing
 Gallagher, Joseph Matthew
 Gilham, Robert William
 Koniszewski, John Edward
 Romasco, Albert
 Seeno, Enrico Anthony

Ill. Seibert, Donald Reck
 D.C. Sether, Walter Harold
 Ind. Sokol, Leonard
 Pa. Vlcek, Myron Edward
 Pa. Zunic, Matt
 Pa.

Pa.
 Oref.
 D.C.
 Oref.
 Pa.

NOVEMBER 17, 1943

Garth, Sarah Kaufman
 Myers, James, Jr.

N.J. Sullivan, Eunice Eileen
 Ind. Swett, Timothy

Mass.
 Okla.

MASTER OF ARTS IN EDUCATION

JUNE 2, 1943

Berchtold, Louise Elizabeth
 B.S. 1936, Wilson Teachers College
 Boyer, Susan Elizabeth
 A.B. 1927, Western Maryland College
 Day, Emmett Milton
 B.S. 1938, Mary Washington College
 Fellows, Jeannette Luther
 B.S. 1931, Mary Washington College
 Griffith, Elizabeth Dickerson
 A.B. 1927, The George Washington
 University
 Jacob, Virginia Firmadge
 B.S. 1929, Wilson Teachers College
 Knott, Phyllis King
 A.B. 1945, The George Washington
 University
 Langmack, Clara Johanne
 A.B. 1939, American University
 Lewis, Mollie Margery
 B.S. 1940, Wilson Teachers College

D.C. Long, Edith Koegle
 A.B. 1940, The George Washington
 University
 Md. MacNeil, Winifred Agnes
 Va. A.B. 1916, Catholic University of
 America
 Va. McCabe, William John
 B.S. 1927, University of Scranton
 D.C. Moler, Lucille Norris
 A.B. 1928, Hood College
 Md. Niemeyer, Gertrude Elizabeth
 A.B. 1915, The George Washington
 University
 D.C. Nooe, Ruth Holt
 A.B. 1937, Woman's College of the
 University of North Carolina
 D.C. Vivian, Sallie Perrie
 A.B. 1911, University of Maryland
 D.C. Wagner, Grace Lois
 B.S. 1934, Wilson Teachers College

Ohio

D.C.

Pa.

Md.

D.C.

N.C.

Aris.

D.C.

NOVEMBER 17, 1943

Nosal, Walter Stanley
 B.S. 1940, Indiana State Teachers
 College, Pennsylvania
 Rowdybush, Jessie
 B.F.A. 1911, Syracuse University
 Smith, Evelyn Hill
 A.B. 1934, University of Georgia

Pa. Walsh, Charles Jennings
 B.S. 1911, University of Tennessee
 Md. Weber, Helen Elizabeth Hawkins
 A.B. 1921, Transylvania College
 Ga. Zaritsky, Harry Gordon
 B.S. 1911, University of Pennsylvania

Va.

D.C.

D.C.

FEBRUARY 22, 1944

Gatchel, Mary Hoskins
 A.B. 1912, The George Washington
 University
 Lono, Keith Gordon
 A.B. 1921, Susquehanna University
 Ost, Walter Martin
 A.B. 1918, Washington Missionary
 College

D.C. Pratt, Alma
 B.S. 1920, Wilson Teachers College
 Pa. Rast, Carolyn Frankum
 B.S. in H.E. 1920, The George
 Washington University
 Md. Vasi, Vladimir
 A.B. 1913, The George Washington
 University

D.C.

Ga.

D.C.

DOCTOR OF EDUCATION

FEBRUARY 22, 1944

Mudge, David Edward W. Va.
 B.S. 1917, A.M. 1938, West Virginia
 University
 Thesis: "The Development of Certain
 Concepts of the Function of Chem-
 istry in the Secondary School"

THE SCHOOL OF GOVERNMENT

BACHELOR OF ARTS IN GOVERNMENT

JUNE 2, 1943

Adams, Theo Carl	Tex.	Lewis, Elizabeth Ann	D.C.
Armstrong, Christine Elizabeth	Va.	Makela, Benjamin Raphael	D.C.
Bobys, Harold Jerome	D.C.	(With distinction)	Va.
(With distinction)		Mason, William Thomas	Ind.
Bowler, James Vincent	N.Y.	McNutt, Louise	
Cox, Mary Warrington	D.C.	(With distinction)	N.Y.
Defenderfer, Doris Anne	Md.	Michelson, Harry	Fla.
Dellinger, Harry Keith	N.C.	Newsumer, Alice Kay	D.C.
Fellman, Rudolph H.	N.Y.	Patterson, Charlotte Deal	D.C.
Hay, William Columbus	Tex.	Payne, Ernest William	D.C.
Hernandez, Pura Jancian	P.I.	Pellenburg, Aric Cornelis	N.J.
Hochman, Stanley	N.Y.	Rams, Arthur	N.Y.
Houlahan, Charles William	N.Y.	Sandell, Louis Philip	Utah
Knauer, Virginia Mae	D.C.	Spalsbury, Calvin C.	D.C.
Krochmal, Charles S.	N.Y.	Steinberg, Alvin J.	
Layne, Aaron Alvin, Jr.	Tenn.	Victor, Hendrik Willem	
Lee, Harvey Atwood	Miss.		

NOVEMBER 17, 1943

Hicks, John Ridgely	Ariz.	Romeo, John Joseph	Pa.
Hughes, William Edward	D.C.	Stromberg, Marvin Oscar	Nebr.
McCallum, William R.	Mo.	Wells, Vades Elizabeth	Ill.
McDonald, Reginald Franklin	Miss.	Wheeler, Bryon Coulam	Utah
McGee, Francis George	Va.	White, James Bradley	Md.
Owens, Robert Keith	Kans.	Zubrecky, Joseph Romaine	D.C.
Phillips, Joseph Lincoln	Tex.		

FEBRUARY 22, 1944

McCabe, James J.	N.Y.	Stacy, Delmar Ardene	Iowa
Myskowski, Walter Joseph	Mass.	Tennant, Francis James	N.Y.
(With distinction)		Weinfeld, Charles	
Ostrinsky, Nelson	N.Y.		

MASTER OF ARTS IN GOVERNMENT

JUNE 2, 1943

Chu, Chia Chen. China
 A.B. 1934, Central Political Institute
 of Kweiwang, China

FEBRUARY 22, 1944

Kaufman, Seymour A.	Pa.	Siskin, Harold	N.Y.
A.B. 1939, Brooklyn College		B.B.A. 1940, College of the City of	
Lewis, Hyman Leon	D.C.	New York	
A.B. 1941, The George Washington			
University			

THE DIVISION OF UNIVERSITY STUDENTS

BACHELOR OF SCIENCE IN SECRETARIAL ADMINISTRATION

JUNE 2, 1943

Wolly, Hindalyn Kottelman

Fla.

HONORARY DEGREE

NOVEMBER 17, 1943

Frank Washington Ballou—*Doctor of Laws*

RECIPIENTS OF AWARDS

SCHOLARSHIPS

1943-44

- The Byron Andrews Scholarships:* Phyllis Abrams, Emma Lila Fundaburk, Constance Maynard
- The Emma K. Carr Scholarships:* Raymond Isaac Band, Luther Weldon Brady, Jr., Haaren Albert Miklosky, Sidney Shulman
- The Columbian Women Scholarships:* Marcia Boteler, Jessalyne Lorraine Charles, Emma Lila Fundaburk, Elizabeth Graham Kelly, Barbara Louise Lyddane, Mary Elizabeth Pettey, Ruth Marise Reiter, Marianne Rothschild, Martha Rachel Seabrook.
- The Isaac Davis Scholarship:* Marian Elizabeth Freehafer
- The Debate Scholarship:* Ruth Mary Collins
- The Elma Lewis Harvey Scholarship:* Betty Maxine Munson
- The High School Scholarships:*
- Amos Kendall Scholarships:* Ruth Louise Votaw, Marion Emma Woolley
- University Scholarships:* David Barry, Mary Carol Biesemeier, Ella Rhea Blake, Vivian Toba Burke, Geoffrey Foucar Chew, Ballard Clark,* Jane Elizabeth Clark, Ruth Thelma Cooper, Mary Erwin Davis, Morton Philip Eamet, Dorothy Jean Eggoline, Edward George Fisher, Jr., Lorraine Griggs, Mildred Hayward, Donald Hendon,* Margaret Erskine Holliman, James Edgar Huddleston, Virginia Walton Jones, Betty June Karle, Mona Jeanne Reesling, David Rino Lenarduzzi, Ellen Lydia Liska, Lois Lord, Robert Clinton Ludwig, Margaret Elizabeth Lynn, Shirley Louise Mann, Edward Markham,* Joseph Alvin Mascello, Shirley June Mason, Felicia Mary Miller, Eric Victor Nelson, Edith Tipton Norris, Patricia Orr, Jessma Oslin, Marie-Louise Ralph, Mary Virginia Ring, Eileen Janet Shanahan, Mary Elizabeth Sheppard, Barbara Alice Simons, Lois Elaine Smith, Cecil Caylor Spaulding, Morton Robert Steinberg, Charmian Ettlinger Tompkins, John Ettlinger Tompkins, Frank Bryan Tutwiler, Faye Darleen Weisenberger, Lawrence Woodward,* Margery Ann Workman
- The Newspaper Scholarships:*
- Washington Post:* Harry David
- The David Spencer Scholarship:* Shirley Catherine Towey
- The Mary Lowell Stone Scholarship:* June Rae Cohen
- The Trustees' Scholarships:* Joseph Martin Giovacchini, Nathaniel Herbert Halberstadt
- The John Washington Scholarship:* Marian Elizabeth Freehafer

PRIZES

1942-43

- Alpha Chi Sigma Freshman Prizes in Chemistry:* Leslie Powell Dryden, Jerome Lee Pollack, Jack Phillip Segal
- Alpha Chi Sigma Senior Prize in Chemistry:* Frank Nelson Miller, Jr.
- Alpha Delta Pi Prize in French:* Mary Erwin Davis
- Alpha Kappa Psi Prize in Commerce:* Kenneth Archibald Kenyon
- American Institute of Chemists Prize in Chemistry:* Edward Herbert DeButts, Jr.

* On war leave.

- American Society of Civil Engineers Prize:* Richard Patton Ballard
American Society of Mechanical Engineers Prizes: Eugene Andrew Dedick,
 Dirk Brady, William Sibert
Byrne Thurtell Burns Prize in Chemistry: William Edward Schmidt
Chi Omega Prize in Social Sciences: Helen Irene Mattson
Chi Upsilon Prize in Geology: Nan Christine Jensen
DeWitt Clinton Croissant Prize in Drama: Charles Henry Beneman
Harry Cassell Davis Prizes in Public Speaking:
 Fall Term: First—Charles Woodmansee
 Second—Mary Margaret Truman
 Third—Robert Boger
 Winter Term: First—Patricia Joyce Larson
 Second—William Edward Long
William Thorswall Davis Prize in Ophthalmology: Benjamin Franklin Edwards II
Delta Zeta Prize in Botany: Frank Bryan Tutwiler
Ellsworth Prize in Patent Law: David Edwards Varner
Joshua Evans III Memorial Prize in Social and Political Sciences: Kenneth Archibald Kenyon
Willie E. Fitch Prize in Chemistry: Edward Herbert DeButts, Jr.
Alice Douglas Goddard Prize in American Literature: John Bristol Speer
Edward Carrington Goddard Prize in French: Grace Lester Sims
James Douglas Goddard Prize in Pharmacy: Howard Thomas Brock
Morgan Richardson Goddard Prize in Commerce: Harold Jerome Bobys
Gardiner G. Hubbard Prize in American History: Howard Matthew Phillips
Kappa Kappa Gamma Prize in Botany: Doris Mae Court
John Bell Larner Prize in Law: Hilda Aronson Asia
Mortar Board Prize in Sophomore Scholarship and Activities: Lois Elaine Smith
Omicron Delta Kappa Prize in Activities: Henry Paskins Dalzell
John Ordronaux Prizes in Law: Gordon Lee Calvert, William Dock Kilgore, Jr.
John Ordronaux Prize in Medicine: William Robert Perkins, Jr.
Phi Eta Sigma Prize for Freshman Scholarship: Donald Day Boyer
Phi Sigma Sigma Prize in Zoology: Marcia Boteler
Phi Sigma Sigma Nileen Cooper Prize in Psychology: Phoebe Lucille Overstreet
Pi Beta Phi Prize in Activities: Dorothy Ellen Farwell
Pi Lambda Theta Prize for the Most Meritorious Master's Thesis in Education:
 George Edmund Fox
Ruggles Prize in Mathematics: Hillel Spitz
Sigma Kappa Prize in Chemistry: Jerome Lee Pollack
Sigma Kappa Prize in English: Martha Rachel Seabrook
Sigma Tau Prize in Engineering: Harry Price McNaughton
James MacBride Sterrett, Jr., Prize in Physics: Robert Clinton Ludwig
Theta Tau Prize in Engineering: Tomas Augusto Pastoriza
Alexander Wilbourne Weddell Peace Prize: Louise Conkey Powell

STUDENT ASSISTANTS

1943-44

- Botany:* Doris Mae Court, June Reynolds, A.B., Jane Roller, M.S., Ruth Elva Wright
Business Administration: Irene Mae Brown, James Leonard Buckler, Catherine Bour Devonald, James Fredrick O'Connell
Chemistry: James Norton Ayres, B.S., Raymond Isaac Band, Geoffrey Foucar Chew, June Rae Cohen, Ruth Thelma Cooper, Bernard Robert Cooperman, Harold Dubin, Davette Eisenstein, Phyllis Rosen Brown, John Martin French

- B.S., Aune Maria Kangas, John H. B. Nichols, B.S., Jerome Lee Pollack, Norman Edward Sharpless, B.S., Sidney Shulman, Ruth Bentley Sibbett, A.B., Frank Bryan Tutwiler, Ruth Louise Votaw, Richard Fisher Wallis, William Zimmerman III
- Civil Engineering:* William Taylor Andrews, Otho Ernest Michaelis
- Economics:* Joseph Bernard Epstein, A.B., Emma Lila Fundaburk, Eleanor Ann McDuffie, Donald Page Ray, A.B.
- Electrical Engineering:* Thomas Henry Heine, Edmund Douglas Schreiner
- History:* Winant Stubbs Ellmore, Vivianne Lucy Hooppaw, Marian Mae Montague, Anna Bertha Stamm, Jeanette Marr
- Library:* Sallie Abigail Cranmer, Martha Frances Haynes, Rhea Preston Henry, Virginia Walton Jones, Beatrice June Kartus, Muriel Doris Kaufman, Albert Kornberg, Lenore Livingston, A.B., John Gaillard Martin, Laura Butler McNeese, Corinne Mae Rutherford, Mary Elizabeth Sheppard
- Pharmacy:* Gertrude Friedman, August Joseph Saury
- Physics:* David Woodhull Appel, Edward George Fisher, Jr., Ruth Bentley Sibbett, A.B., John Ettinger Tompkins
- Political Science:* Pauline Rhodes Jackson, Nellie Carr Anderson, Mary Lou Krehbiel
- Psychology:* Betsy Ericson, Susie Lee Rubey, Ruth Elizabeth Furchtgott, Rhoda Woronoff
- Speech:* Mervin Martin, James Mandes
- Statistics:* Otto Joseph Dekom, Myron Greenwald, B.S.
- Zoology:* Avonne Allen, Marcia Boteler, Jane Elizabeth Clark, Dorothy Frances Travis

STUDENTS REGISTERED

1943-44

FALL, WINTER, AND SUMMER TERMS

A			
Aaling, June M.	Wis.	Akamine, Sesuke E.	Hawai
Abata, Antonio V.	D.C.	Aker, Zubeyir	D.C.
Abbe, Janet Louise	D.C.	Akman, Leonard Carl	
Abbott, Caroline I.	Conn.	A.B. 1941, The George Washington	
Abbott, Robert S.	Ohio	University	Mexico
A.B. 1943, Kent State University		Alamillo, Herlinda	Mexico
Abercrombie, Jefferson Hyde, Jr.	D.C.	Alamillo, Luis	Conn.
Abel, L. Dorothy J.	D.C.	Alban, Emil John, Jr.	Ecuador
Abraham, George	N.Y.	Alban, Guillermo	D.C.
B.S. 1940, Brown University		Albert, Alfred Lobe	Okla.
M.S. 1942, Harvard University		Albert, Carl Bert	
Abraham, Hommev Lorraine	Iowa	A.B. 1934, Oxford University	D.C.
Abraham, Muriel F.	D.C.	Albert, Irvin R.	
Abrahams, William H.	D.C.	A.B. 1916, The George Washington	
Abrams, Bernard Bradson	Tex.	University	D.C.
B.S. in C.E. 1935, C.E. 1940, The		Albert, Mary H.	D.C.
Carnegie		Albertson, Shirley Carter	Va.
Abrams, George	N.Y.	Alden, Charles William	D.C.
A.B. 1941, The George Washington		A.B. 1941, Brown University	Md.
University		Alden, Eastueine	D.C.
Abrams, Helen L.	N.Y.	Alden, Pearl H. I.	Md.
Abrams, Morris M.	D.C.	Alden, William Henry	Md.
Abrams, Phyllis Irma	D.C.	Alderson, William S.	
Ackechalt, Sadie F.	N.J.	R.F.F. 1943, Wayne University	D.C.
Ackerman, Altus J.	D.C.	Aldridge, Eugene T., Jr.	D.C.
Adams, Ara	Tex.	Alexander, Andrew William	Md.
Adams, Howard Dwight	D.C.	Alexander, Joan O.	Va.
A.B. 1941, Miami University		Alexandre, Estelle Judith	
Adams, Locksley V., Jr.	Md.	Alexandre, Maurice	Va.
Adams, M. Eleanor	D.C.	L.L.B. 1938, New York University	
Adams, Mary Jane	D.C.	Alexas, Everett Crispin	Okla.
Adams, Michael C.	N.Y.	Alford, Edith Fae	S.C.
Adams, Richard H.	Md.	Alf, Dora Augusta	Md.
Adams, Samuel Webster	D.C.	Allen, Avonne	Va.
Adamson, George Quentin	Va.	Allen, Donna Claire	
B.S. 1935, Iowa State College		A.B. 1941, Duke University	Tex.
Adamson, Louis D.	Md.	Allen, Dwight L.	
B.S. 1941, M.S. 1942, George Pea-		B.S. 1910, Texas Christian Uni-	N.Y.
body College for Teachers		versity	Md.
Adamson, Mary Wynette	D.C.	Allen, Edgar H., Jr.	
Adcock, Constance Olleen	Ala.	Allen, Georgia S.	D.C.
Adelabbe, John J.	N.Y.	A.B. 1942, Baylor College	D.C.
Adington, Harold E.	Kans.	Allen, Jeanne	Va.
A.B. 1939, Kansas University		Allen, Jo Ann	D.C.
A.M. 1942, Syracuse University		Allen, Louise E.	Md.
Addiscott, Anne C.	D.C.	Allen, I. Pauline	
Adder, Donald J.	D.C.	Allen, M. Louise	D.C.
Adler, Alexander	D.C.	B.I. 1930, University of Missouri	Md.
Adler, Michael Herman	D.C.	Allen, M. Patricia	
Adelstein, Theresa	N.Y.	Allen, Marjorie L.	Pu.
Adelt, Arthur	Md.	A.B. 1947, Middlebury College	
B.S. 1931, University of Maryland		Allen, Maxine	
M.S. 1937, Pennsylvania State College		Allen, Victoria C.	
Ahlstedt, Mildred I.	D.C.	Allen, Virginia C.	
B.S. 1941, Kansas State Teachers		Allen, Victor	
College		A.B. 1940, The George Washington	Tex.
Aikman, Edward	D.C.	University	
Aikman, Helen W.	D.C.	Allen, Margaret L.	Pu.
A.B. 1914, Smith College		Allen, Nell Lillian	Md.
Ainley, Helen Marie	Md.	Allen, Robert Allen	D.C.
Ainsworth, Carolyn S.	D.C.	Allen, Robert L.	
		Allen, Louise Ellen	

Alpher, Ralph Asher B.S. 1943, The George Washington University	D.C.	Andrich, Dan J.	Minn.
Alsterlund, Norah A.B. 1927, Smith College	Ill.	Andriolous, Alphonse M.	Mass.
Alston, George Morris	D.C.	Andrus, Lew Hughes	Calif.
Alston, Russell Milton	D.C.	Andrus, Kathleen H.	Calif.
Alter, Irene Frances	D.C.	Andrus, Virginia Dowden	Va.
Alter, Leah Doris	Md.	Anestes, Anastasia	Pa.
Altman, Seymour Lewis	N.Y.	Angela, Patricia W.	Va.
Althouse, Charles F. B.S. in E.E. 1942, Indiana Technical College	Ill.	Angstead, Ruth E. B.S. 1928, University of Kansas	D.C.
Altieri, Jean B. A.B. 1941, Farmville State Teachers College	Va.	Anselmo, Alva M.	Mass.
Altmire, Robert Eugene	Md.	Antaya, Donald B.S. 1943, Providence College	Ill.
Alvis, Francis Joseph	D.C.	Anthony, Melvin Julius	Mass.
Amberg, Hazel F.	D.C.	Anthony, Myra Lee	Ariz.
Anderson, Maria T.	D.C.	Anton, Wanda Marie	D.C.
Amberg, Tommie L.	D.C.	Araki, Sue Shizuko	D.C.
Ament, William S. A.B. 1941, Pomona College	Calif.	Apgar, Herbert LeRoy	D.C.
Ames, Ruth Barbara	D.C.	Appel, David Woodhull	D.C.
Amoroso, William Louis	D.C.	Appel, Rose Wilhemie	D.C.
Amundsen, Anna Christine A.B. 1938, College of the Ozarks	D.C.	Appich, Arlene F. A.B. 1938, Western Maryland College	D.C.
Anderle, Frances Emma	Ohio	Applestein, David	D.C.
Anderson, Martha Julia	Va.	Applestein, Harriet Shirley	D.C.
Anderson, Myrtle M.	S.D.	Appel, Kenneth Richard	D.C.
Anderson, Alton DeWitt B.S. 1941, The George Washington University	D.C.	Apfel, Jacob Jack	Conn.
Anderson, Angeline Elizabeth A.B. 1941, The George Washington University	D.C.	Aptaker, Cecilia	Pa.
Anderson, Arlene R.	Iowa	Arbuckle, Richard D.	Iowa
Anderson, Botanie G.	Nebr.	Archangel, Oliver M.	Pa.
Anderson, Charles F.	D.C.	Aresta, John	D.C.
Anderson, Daisy F.	Va.	Argaves, Henrietta M.	D.C.
Anderson, Dennis Joseph	Nebr.	Arno, Harold Virgil A.B. 1939, Whitman College	Wash.
Anderson, Donald Hood	Ala.	A.M. 1941, The George Washington University	
Anderson, Donald R.	D.C.	Argo, Mary Langs B.S. 1939, University of Washington	Wash.
Anderson, Elsie	Minn.	A.M. 1941, M.H.S. College	Calif.
Anderson, Gilbert LeRoy	Iowa	Arakawa, Helen Makako	D.C.
Anderson, Howard Jeremy A.B. 1936, University of Utah	Utah	Arken, Lorraine Shirley	D.C.
A.B. 1940, The George Washington University		Arken, Garabad	D.C.
Anderson, Lorraine Marie	Iowa	Armstrong, Nedra M.	D.C.
Anderson, Lynne Louis A.B. 1940, Wesleyan University	Nebr.	Armstrong, Woodrow Jennings	Okla.
Anderson, N. Jean	Iowa	Arnold, Allen B.	La.
Anderson, Nellie Carr A.B. 1941, The George Washington University	D.C.	A.B. 1942, William Penn College	Wis.
Anderson, Nora Agnes	Fla.	Arnold, Amy Eastman A.B. 1942, Milwaukee-Downer College	Mont.
Anderson, Robert	D.C.	Arnold, Celia A.B. 1929, The George Washington University	
Anderson, Roland Max A.B. 1943, L.L.B. 1937, University of Nebraska	Nebr.	Arnold, Evelyn H.	N.C.
Anderson, Russell John	D.C.	Arnold, Lyle J.	D.C.
Anderson, Ruth C.	Ky.	B.S. 1942, Missouri University	Wash.
Anderson, Ruth Catherine	D.C.	Arnold, Maryam Elia A.B. 1936, A.M. 1937, University of Washington	
Anderson, Wood Powell	Va.	Arnold, Muriel	D.C.
Andrade, Pablo Emilio	D.C.	Aronson, Dora	D.C.
Andreasen, Helen I.	Iowa	Aronstein, Paul Charles	Mass.
Andresen, Norman Peter A.B. 1941, Stanford University	Calif.	Arrow, Henry David A.B. 1942, Brooklyn College	Va.
Andrews, Frank Joseph	Pa.	Artaud, Rachel	D.C.
Andrews, Jeanne Dorothy	Md.	Ash, Genevieve I.	N.D.
Andrews, Thelma Louise	R.I.	Ash, John Louis	Okla.
Andrews, William Taylor	D.C.	Ash, Ruth J. Ph.B. 1928, University of Chicago	Md.
		A.M. 1942, West Virginia University	
		Ash, Willard Osborne	Md.
		A.B. 1947, St. John's College	
		A.M. 1941, University of Maryland	Ohio
		Ashby, Betty Fern	
		A.B. 1937, Oberlin College	Ind.
		Ashby, Helen B.S. 1937, Northwestern University	

Ashby, Robert Samuel	Ind.	Baker, Daniel Duane	D.C.
A.B. 1918, Indiana University		Baker, Elsa Sophia	D.C.
LL.B. 1921, Harvard University		Baker, Faith Alden	Mass.
Asher, N. Edythe	Ky.	Baker, Frances Meade	Ma.
Asowitch, Sarah Gertrude	D.C.	Baker, Frances Patrick	Va.
Astola, Lauri	Finland	Baker, Gloria Jeanette	D.C.
Atherholt, Marianne	D.C.	Baker, Harry LeRoy	Va.
Atherton, Emmy Lou	Va.	Baker, Marilyn Jeanne	Ill.
Atherton, Eva	N.Y.	Baker, Mary Elizabeth	N.Y.
B.S. 1930, New York State College		Baker, Ruth Arleen	Neb.
for Teachers		Baker, Ruth Vivian	Pa.
Atlas, Martin	N.Y.	B.S. 1942, Juniata College	Id.
A.B. 1934, New York University		Baker, Samuel Harry, Jr.	
A.M. 1935, Columbia University		A.B. 1924, A.M. 1926, Ph.D. 1944,	
Atlee, Mary Louise	D.C.	The George Washington University	D.C.
Atwell, Lawrence Ellsworth	Va.	Baker, Stewart Lee, Jr.	
Aube, Grace E.	D.C.	B.S. 1942, University of Maryland	D.C.
A.B. 1915, Brooklyn College		Baker, Virginia	D.C.
Auffmordt, Simonne N.	D.C.	Bakrus, Nancy Lee	D.C.
Aulenbach, Elisabeth B.	N.J.	Balaguerito, Macbeth Young	D.C.
Aultman, Philip	Ohio	Balcom, Harriet Webster	Id.
LL.B. 1940, Ohio State University		Balcom, Margaret MacDowell	Tenn.
Austin, Barbara Carolyn	Del.	A.B. 1940, The George Washington	
Austin, Edward Eugene	Ill.	University	Id.
Austin, Roland M.	Id.	Baldson, Robert Wilfred	D.C.
Auvil, Gertrude Aileen	W.Va.	Baldadian, John	D.C.
Averill, Virginia	Id.	Baldwin, Margaret Lois	Okla.
Avery, Myron Haliburton	Maine	Balentine, Rowena Lynn	D.C.
A.B. 1920, Bowdoin College		Balfour, Don Arthur	D.C.
LL.B. 1923, Harvard University		Ball, Barbara Helen	D.C.
Awalt, Gilbert Haslup	D.C.	Ball, Charles Emmett, Jr.	Id.
Awramik, Joseph, Jr.	Mass.	Ball, Eunice Mae	D.C.
Awtrey, Anna Meredith	S.C.	Ball, Lavenia Frances	Mass.
Axelrod, Herman	Va.	Ball, Mary Elizabeth	Va.
Axilrod, Gertrude D.	Va.	Ball, Nadia R.	D.C.
Ayers, June Elizabeth	Ill.	Ball, William Howard	
Ayers, Richard P.	Va.	A.B. 1932, A.M. 1935, The George	
Ayers, Vivian Irene	D.C.	Washington University	Okla.
Aynes, Edith Annette	D.C.	Ballard, Frances S.	N.M.
Aynes, James Norton	N.Y.	Ballard, Joseph William	D.C.
B.S. 1941, Rensselaer Polytechnic		Ballinger, Edwin Ray	
Institute		A.B. 1943, Maryville College	D.C.
Ayrea, Marie Frances	Pa.	Ballinger, John Carter	Id.
B.S. 1942, University of Pittsburgh		Ballou, Ewins Jay	Mass.
Azodi, Hamideh	D.C.	Ballou, Kenneth Clark	Tenn.
B			
Bachman, Frederick Charles	Pa.	Ballou, Margaret Frances	Va.
Bachrach, Morton Edward	D.C.	Balmer, Harry Arnold	Va.
Bacigalupo, Joseph Andrew	N.Y.	Baltes, Mary Miller	Wisc.
Backus, Margaret Greenleaf	Va.	Bambenek, Monica Anna	D.C.
A.B. 1941, Dickinson College		Band, Philip Theodore	D.C.
Baron, John Clifford	Ohio	Band, Raymond Isaac	Mass.
Baden, Helen Travis	D.C.	Banerian, Gordon	
Bader, Falba	La.	B.M.E. 1943, Lawrence Institute of	
Baer, Max F.	D.C.	Technology	D.C.
LL.B. 1947, Creighton University		Bange, Agnes Ward	D.C.
A.M. 1942, Columbia University		Bancian, Elizabeth Clara	D.C.
Bailey, Muri Lawton	Id.	Bardhead, Ethel Amoretta	Ky.
Baige, Francis G.	Mass.	Banks, Dolly M.	N.Y.
B.S. 1941, Massachusetts State Uni-		Banks, Melvin Roger	Va.
versity		Banner, Christine Hill	S.D.
Bailey, Lois M.	Id.	Bartz, Douglas W.	
Babin, Abraham	N.Y.	LL.B. 1942, University of South	
Baden, Eliot	N.Y.	Dakota	N.Y.
A.B. 1926, LL.B. 1930, Harvard Uni-		Barad, Gerald Samuel	D.C.
versity		Barauch, Alfred Howard	
Bailhe, Jack Pierre	D.C.	A.B. 1941, New Jersey State Teachers	
Bain, Henry Franklin, Jr.	D.C.	College	Okla.
Baird, Robert Davidson	Wash.	Barber, Forest Chester	Ore.
Baker, Alton Wesley	Tex.	Barber, Marie Stewart	Conn.
B.B.A. 1936, University of Texas		A.B. 1943, Washburn University	
Baker, Bryan Jennings	Id.	Barbuto, Anthony Robert	

Bednar, Lillian F.	N.D.	Benson, Elizabeth Polk	Md.
Bednar, Rose Ann	N.D.	Benton, Bruce MacDonald	Conn.
B.S. 1942, Billings Polytechnic Institute		Benton, Lorraine	D.C.
Bedsworth, Margaret Crosswell	Md.	Bercovich, Gertrude	D.C.
B.S. 1942, University of Maryland		Bercovitz, Charlotte Saunders	Md.
Bee, Max Culbertson	Utah	Bersahl, Edgar Oliver	N.J.
A.B. 1931, Park College		Bershan, Katherine May	N.Y.
Beebe, Charles L.	Md.	Berg, Joseph	Md.
Beeber, Robert Joseph	N.Y.	Berg, Marjorie	N.Y.
Beek, John, Jr.	Wash.	Berg, Milton	D.C.
B.S. 1927, University of Washington		Berge, Eugene P.	Md.
A.M. 1932, The George Washington University		Bergel, Betty Carolyn	Md.
Beeman, Helen W.	Conn.	Berger, Jane Marie	D.C.
Been, Jerome L.	N.Y.	Bergner, Rhoda	D.C.
B.Chem.Eng. 1940, College of the City of New York		Bergner, Rosi	N.Y.
Beers, Mary Louise	D.C.	Bergreen, Miriam	D.C.
Beese, Edward Thomas	Oreg.	Berkey, Josephine Ann	
Begnoche, Jeanne Margaret	D.C.	A.B. 1931, Indiana University	Ill.
Behme, Patricia Ann	D.C.	Berkley, G. Merrill	
Behrens, Alfredo Rodolfo	D.C.	B.S. 1931, California Institute of Technology	N.Y.
Behun, Joseph	D.C.	Berkley, Louis Hugh	
Berhl, Martha C.	Mo.	B.E.E. 1940, College of the City of New York	N.Y.
A.B. 1931, Drury College		Berkowitz, Abe	N.Y.
Belack, Milton	Md.	Berkowitz, Edwin	
Beskenkamp, Joan d'Amerode	D.C.	A.B. 1928, LL.B. 1930, Columbia University	Cal.
Bevensky, Agnes Virginia	D.C.	Berleth, Elizabeth Workman	N.J.
Betsie, Jeanne Verner	Mass.	A.B. 1940, Rice Institute	
B.S.E. 1947, State Teachers College at Worcester		Berman, Bernice	
Belknap, Samuel Lincoln	Maine	A.B. 1941, New York State College for Teachers	D.C.
Bell, Bessie Kate	Mass.	Berman, Gertrude Sylvia	N.Y.
Bell, Frances C.	Va.	Berman, Hyman	D.C.
Bell, James Lackey	D.C.	Berman, Isadore	D.C.
Bell, Jewell Lena	D.C.	Berman, Elizabeth	N.Y.
Bell, John Murphy	Okla.	Bernstein, Bernard	
Bell, Mary Catherine	Mont.	B.S. 1942, The George Washington University	D.C.
A.B. 1911, University of Minnesota		Bernstein, Harold	
Bell, Mary Eleanor	Ala.	B.S. 1934, Brooklyn College	N.Y.
A.B. 1940, Birmingham-Southern College		Bernstein, Marianne Elizabeth	
A.M. 1941, University of Alabama		A.B. 1938, Barnard College	
Bell, Pauline Thomas	D.C.	M.S. 1940, New York University	N.Y.
B.S. 1936, Wilson Teachers College		Bernstein, Sylvia P.	
Bell, Stanley Thomas	D.C.	A.B. 1910, Hunter College	Md.
Belgorodsky, Sima V.	D.C.	Berry, Anne Caroline	Okla.
Grad. 1910, University of Bucharest		Berry, George Truett	D.C.
Belote, Ernest Cassell, Jr.	D.C.	Berry, Guy	
Belyaev, Yuri Aleksander	D.C.	B.S. 1942, Northwestern University	Ill.
Bender, Anne	Mass.	Berry, James Frederick	
Bender, Edward Walter	D.C.	A.B. 1941, Washington and Lee University	Md.
Bendalet, Louise Martha	D.C.		Va.
Bendigo, Bruce Bressler	N.C.	Berry, Lula Maxine	D.C.
B.S. 1940, The George Washington University		Berry, Marjorie Virginia	N.Y.
Benedetto, Lusitana Theresa	Del.	Bers, Elinor Kline	
Beneman, Charles Henry	D.C.	Berte, Stephen Joseph	Oreg.
Benezra, Leon	N.Y.	A.B. 1943, Duke University	Ill.
Bennet, Anne Wrenshall	D.C.	Bertman, Bernice Betty	N.Y.
Bennet, Virginia John	Va.	Berlow, Freda Sandye	D.C.
Bennett, Aimee I.	Kans.	Berzen, Abraham H.	
Bennett, Ann Frances	Md.	Bessine, Lillian	D.C.
Bennett, C. Dana	Vt.	A.B. 1929, Hunter College	
A.B. 1921, University of Cincinnati		Beisemer, Cleo Michelsen	
Bennett, Donald R.	Va.	A.B. 1941, The George Washington University	D.C.
Bennett, Elizabeth S.	N.Y.		D.C.
Bennett, Emily Frances	D.C.	Bestimt, William	Md.
Bennett, Evert G.	Oreg.	Betancourt, Jesus	D.C.
Bennett, Gordon D.	D.C.	Betz, Wallace Philip	Va.
Bennett, M. Jeanne	D.C.	Beuter, Esther Jeanne	Va.
Benseoter, Charlotte May	Pa.	Beverly, Mabel Irene	
		Beveric, Virginia Putnam	

Bewig, Karl William B.S. 1929, Alabama Polytechnic Institute	D.C.	Blair, Gladys Matilda Blair, Margaret Maletz Blair, Mary Grace A.B. 1931, A.M. 1934, University of Arkansas	Canada Pa Ark.
Bianchi, Mary Jane	Md.	Blake, Ella Rhea	D.C.
Bianco, Francesco Marco	Va.	Blake, Jethelyn Jean	Va.
Bible, Martha Jane	Miss.	Blake, Miriam Alice	D.C.
B.S. 1943, Mississippi Southern College		Blake, Walter Swan, Jr.	D.C.
Bierhoff, Stanley Lillian	Mich.	Blakely, Elizabeth Josephine	Idaho
Blackford, Elizabeth May	Maine	Blalock, Olive Odom	Fla.
Biegel, Mark Mandel	D.C.	A.B. 1937, American University	Mass.
Bienfang, Marcella Lucinda	Ind.	Blanchard, Cyrus Lloyd	
Bienia, Walter John	Md.	A.B. 1943, Clark University	Calif.
Bier, William	N.Y.	Blanchard, Signe H.	D.C.
B.S. 1939, Brooklyn College		Blanchard, William Purnell	Va.
L.L.B. 1944, The George Washington University		Blanchard, Ursula Heiga	Md.
Bieri, Chester Donald	Ohio	Blaser, Eunice Mason	
B.S. 1943, Mount Union College		A.B. 1929, Connecticut College	
Biesmeier, Mary Carol	D.C.	A.M. 1942, Columbia University	Md.
Bigbee, Jane E. Moore	Md.	Blessingham, Cary Virginia	Pa.
A.B. 1931, Central State Teachers College		Blecher, Jean Elizabeth	Oreg.
Bigge, Ercell Venus	Md.	Bleich, June E.	D.C.
Bigge, Joanna Mary	D.C.	Blevins, Mildred Louise	N.Y.
Bigwood, Beverly Ann	Mass.	Blitzstein, Ethel	Wis.
A.B. 1943, Massachusetts State College		Block, Eloise S.	Md.
Bilinski, Chester Frank	D.C.	Bloedorn, Helen May	Minn.
Billica, Harry Robert	D.C.	Bloesser, Ruth Mary	D.C.
B.S. 1941, University of North Carolina		Blomquist, Gertrude Dagmar	Va.
Billings, Virginia R.	Ill.	Blondheim, Dorothy Rae	Ind.
Bingham, Maurice Wolaw	D.C.	Bloodworth, Evelyn Annie	D.C.
Bingham, Wanda Elaine	D.C.	Blork, Edwin Arthur, Jr.	Mass.
Bison, Florence O.	Tex.	Blount, Jasper Monroe, Jr.	
Burns, Stanley Edward	D.C.	B.S. 1943, University of Mississippi	Fla.
L.L.B. 1946, University of Wisconsin		Blount, Virginia Carolyn	N.Y.
Borah, Merle Kern	D.C.	Blum, Harriet S.	D.C.
Bird, Neely Olivea	Mich.	Blum, Lester Morris	
Birdsell, John Edmund	D.C.	B.E.E. 1918, College of the City of New York	N.C.
Birmingham, Sired Nelson	D.C.	Blume, Lillie Adelaide	D.C.
Bishop, Alice Elizabeth	Mass.	Blumenkranz, Elizabeth	Pa.
Bishop, Elizabeth, Fukang	Md.	Blyth, Mary Deanne	D.C.
Bishop, William Dixon	Fla.	Blythe, Barbara Juanita	D.C.
Bishop, George Edward	Mass.	Bochner, Frances Miriam	
Bishop, Mardalee Ely	D.C.	B.S. in Ed. 1941, Newark State Teachers College	Calif.
Biskar, Ada	D.C.	Boekhold, I. Lucille	Ill.
Bissell, Alice Marie	N.C.	Bodine, Mary Jane	Calif.
Bissell, Marian	N.J.	Bodine, Mary Juanita	Va.
Bissett, Beverly June	D.C.	Bodman, Margaret Jean	Pa.
Bitter, Marie Alberta	Iowa	Bodnyk, Katherine	Va.
Black, Elizabeth S.	Ark.	Body, Margaret A.	Va.
Black, Enaile Ann	D.C.	Buell, Eloise Keeler	
B.S. 1942, The George Washington University		A.B. 1928, A.M. 1929, University of Nebraska	D.C.
Black, Helen Jean	D.C.	Bogan, Joseph Borrowa, Jr.	D.C.
Black, Stuart Miller	Pa.	Bogard, Alexander	Pa.
A.B. 1939, A.M. 1942, Catholic Uni- versity of America		Bogart, Kathleen May	Calif.
Black, Virginia McClellan	S.C.	Bogart, Ruth Irene	D.C.
A.B. 1943, Winthrop College		Bogdan, Lucille Brantley	
Black, Vivian Inez	S.C.	A.B. 1942, Wilson Teachers College	W.Va.
Black, William Ernest	D.C.	Boggs, Gilmer Glenn	D.C.
Blackburn, Clyde Robert	Va.	Bogosian, Mary Ann	Mo.
Blackman, Joel D.	Ark.	Bogue, Donald J.	
B.S. 1936, John Brown University		A.B. 1930, State University of Iowa	
Blackmon, Max E.	Okla.	A.M. 1940, State College of Wash- ington	D.C.
Blaine, John Robert	D.C.	Bolker, Donald Audre	D.C.
Blair, Alice Lane	Ill.	Bolton, Mary W.	
Blair, Edwin	N.Y.	A.B. 1943, University of North Carolina	D.C.
A.B. 1943, The George Washington University		Bolton, Sara	Mo.
Blair, Fay Joyce	D.C.	Bolter, Charles Arnold	

Boin, Jerome King	D.C.	Bouchette, Doward Motte, Jr.	D.C.
Boeckh, Ethel Ward	Va.	Boucellos, Daniel N.	Md.
B.S. 1930, University of Cincinnati		Bourgeois, Jenny Alice	D.C.
Boire, Harold Arthur	Fla.	Bourdeau, Robert Eugene	D.C.
LL.B. 1940, John B. Stetson University		B.S. 1943, Massachusetts State College	Neb.
Boisclair, Thomas George	Wis.	Bouse, B. Faye	D.C.
A.B. 1941, University of Wisconsin		Bowden, Frank Allen	Md.
Boisneau, Agnes	D.C.	Bowen, Carter Milburn	
Bojokles, Despina	D.C.	A.B. 1941, The George Washington University	Va.
Boland, Gertrude Mary	D.C.	Bowen, John Thomas	
Boland, Gregory John	Minn.	A.B. 1949, University of Georgia	Md.
A.B. 1939, University of Minnesota		Bowers, Evelyn Carr	D.C.
Boland, William Joseph	Pa.	Bowers, Faye Jean	Va.
Boley, Rosalee	W. Va.	Bowers, John Lewis	D.C.
Bolger, Harold Stephen, Jr.	Pa.	Bowes, Fern H.	
Bolian, Dorothy Pauline	Mass.	A.B. 1931, A.M. 1938, The George Washington University	Md.
Bollard, Isabelle Mary	D.C.	Bowes, James Everett	Va.
B.S. 1911, West Tennessee State Teachers College		Bowie, Frank McKay	D.C.
Bolster, Edward A.	Calif.	Bowie, Sue	N.Y.
Bolte, Muriel Eastman	Mo.	Bowler, John Andrew, Jr.	D.C.
Boman, Howard Francis	Ill.	Bowles, Mildred Mae	Ohio
A.B. 1934, University of Illinois		Bowman, Helen Louise	
Bomar, Willie Melmoth	N.Y.	LL.B. 1930, University of Dayton	Ill.
B.S., A.M. 1926, Ph.D. 1931, Columbia University		Bowman, Jeannette Adeline	D.C.
Bonanno, Antonio Charles	D.C.	Boxley, James B.	Md.
Bond, Edith Margaret	Fla.	Boyers, Carl	
Bond, Mary Nancy	Okla.	B.S. 1940, College of the City of New York	Wis.
Bondy, Michael Frank	N.Y.	Boyd, Eleanor Jean	Tenn.
B.E.E. 1941, The George Washington University		Boyd, Frances Porter	
Bonicamp, Eileen Ruth	Kans.	B.B.A. 1938, University of Chattanooga	Ga.
Bonnell, Elwyn Thomas	D.C.	Boyd, Joseph James	Tenn.
A.B. 1942, Michigan State College		Boyd, Patricia Evelyn	
Bonner, Marie Anne	Nev.	B.S. 1938, A.M. 1940, George Peabody College for Teachers	D.C.
Bonwit, Elaine Joseph	D.C.	Boyd, William D.	Md.
Bonwit, Kenneth Stanley	D.C.	Boyer, Donald D.	Calif.
Bonwit, Stuart Eliot	D.C.	Boyer, Myron Hugh	
Booth, Jean	Fla.	B.S. 1916, University of California	D.C.
Booth, Sybil Inez	D.C.	Bozzi, Bruno John	D.C.
Borah, Leo Arthur II	D.C.	Bozzli, Edward Franklin	Minn.
Borcherding, Mary O.	D.C.	Braa, Lillian Marie	Me.
Borden, Cynthia Ayres	D.C.	Brace, Douglas Gourley	W. Va.
Borden, John Victor	Ill.	Bradbury, Ora Geraldine	
Bordow, Harry	D.C.	A.B. 1912, University of Nebraska	
Borelli, Jack	D.C.	B.S. 1931, Columbia University	D.C.
Boreman, John George	Va.	Bradbrook, Myrtle Lydia	D.C.
A.B. 1934, Duke University		Bradfield, Ruth B.	D.C.
Borz, Mildred	D.C.	Brading, Blanche	D.C.
Borststrom, Marion	D.C.	Bradley, Hester Virginia	
Borststrom, Ruth Helen	D.C.	A.B. 1926, University of Georgia	D.C.
Borland, Raymond Leroy	D.C.	Bradley, William Burnett	Va.
Borlick, Martha Magdaline	Ill.	Bradshaw, Naomi Adelaide	N.Y.
Borman, Howard Francis		Bradsen, Merton	
A.B. 1938, University of Illinois		A.B. 1941, New York University	Va.
Boroughs, Lewis Edward	N.C.	Brady, Jack Darwin	Md.
Borthwick, Howard Hall	Md.	Brady, James Samuel, Jr.	Md.
Boschan, Alice	D.C.	Brady, Luther Weldon, Jr.	Ala.
Bosin, Leonard Albert	Va.	Brady, Theresa E.	Me.
Bosner, Stanley	N.J.	Bragaw, Margaret Jane	W. Va.
Bosse, Tatiana	D.C.	Brathwaite, Willard Iden	Fla.
Bostwick, Dudley Chase	N.Y.	Brame, Oleta	D.C.
A.B. 1937, Amherst College		Brannan, John Riley	Minn.
Boswell, Marjorie Ralston	D.C.	Brandon, Gladys Darrell	D.C.
Boteler, Marcia	Md.	Brandt, Gloria Lee	D.C.
Botkin, Robert	D.C.	Brandt, Norman Carl	D.C.
B.S. 1946, Wilson Teachers College		Brandt, Richard Russell	Wis.
A.M. 1942, Columbia University		Brandt, Ruth Alice	Va.
Bott, Catherine R.	N.Y.	Branic, Bonnie Lee	
Battleman, Helen Patricia	D.C.		
Bottmley, Helen M.	Mass.		
Bouchard, Yvette Grace	Maine		

Students Registered

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Brannon, Gerard Marion	D.C.	Bristow, William Brooks	Va.
A.B. 1943, Georgetown University		Ph.G. 1917, Medical College of Virginia	
Branyon, Jeanne M.	Md.		
Brasaitis, Mary Ann	Wis.	Britt, James Buford	Tex.
Braslow, Sylvia A.	N.Y.	B.S. 1936, North Texas State Teachers College	
Braunstein, Selma	D.C.		Md.
Brazell, Charles Frank	D.C.	Britt, James Robert	
Breau, Kathryn Virginia	Mass.	B.S. 1919, Wake Forest College	N.Y.
Bredall, Charles Hellings	D.C.	Britt, John F. N.	
Bredemeier, Betty Lou	Ohio	A.B. 1942, The George Washington University	Va.
B.S. 1943, University of Cincinnati			Va.
Breene, Marie Veronica	Pa.	Britt, Thomas Bickett	D.C.
A.B. 1941, Oberlin College		Brittonham, Ruby Lee	D.C.
Brehme, Phyllis Parker	D.C.	Britton, Glynis Artnie	D.C.
Breidenbach, Samuel Heavrin	Va.	Broad, Belle	
L.I.B. 1925, The George Washington University		A.B. 1934, University of Arkansas	D.C.
Breiter, Mark C.	D.C.	Broad, Robert	
A.B. 1932, Columbia University		B.S. in M.E. 1933, University of Arkansas	
Breland, Ora L.	Miss.	M.A.E. 1943, Catholic University of America	D.C.
B.S. 1939, Mississippi State Teachers College			Va.
Brengle, George Robert	D.C.*	Broadbudd, Betty May	
Brennan, James Joseph	D.C.	Broadbudd, Florence Farwell	Va.
Brennan, John Wright	D.C.	B.S. 1940, Wilson Teachers College	Vt.
A.B. 1943, Catholic University of America		Broadwell, Faith Alice	D.C.
		Brock, Howard Thomas	
Brennan, Marie Medalline	D.C.	B.S. 1944, The George Washington University	D.C.
Brennan, Mary Barbara	Conn.		Va.
Brennan, Mary Patricia	Ga.	Brock, Josephine	N.Y.
Brenneman, Verna Louise	D.C.	Brockenbrough, Margaret E.	D.C.
Brenner, Audrey E.	N.Y.	Brookway, Louise Edith	D.C.
Brenner, Edna Constance	D.C.	Brudell, Jean Marie	Va.
Brenner, Judith Lucille	D.C.	Brenderick, John Kenneth	Va.
Bresler, Arthur S.	N.Y.	Brogan, Geneva Grace	
Breslow, Louise	N.Y.	Brogan, Minnie Lee	
Breton, Jeanne M.	Va.	B.S. 1934, State Teachers College, Radford	N.Y.
Brewer, Bernice Viola	Va.		Va.
Brewer, Farrar Adlai	Ark.	Bromer, Lewis	N.Y.
Brewer, Helen Barbara	N.J.	Bronson, Mary Chandler	Tex.
A.B. 1940, New Jersey College for Women		Bronstein, Sara	Pa.
Brewer, Thelma Martin	D.C.	Broodo, Helen	D.C.
B.J. 1932, University of Missouri		Brooks, Betty Jane	D.C.
Brewer, Verna Mae	Ohio	Brooks, Charles Griffin	D.C.
Brewer, William A.	Conn.	Brooks, Claude Charles	D.C.
A.B. 1944, Williams College		Brooks, Mary Elizabeth	D.C.
Brewster, Janet B.	S.C.	A.B. 1943, University of Maryland	Nev.
Brice Henry Turner	Ga.	Brooks, Mary Koeler	Va.
Brick, Evelyn Esther	Ohio	Brooks, Nettie Margaret	
Brick, Julia Elizabeth	N.Y.	B.S. 1926, Mary Washington College	
Bricker, Roy Hines	Md.	A.B. 1940, The George Washington University	D.C.
D.D.S. 1929, University of Maryland			Va.
Bridgewater, Donald Newell	N.Y.	Brooks, Nellie Walker	Mass.
B.M.E. 1940, Syracuse University		Brooks, William Alfred	N.Y.
Briewell, Juliet Greer	Va.	Broom, Victor	D.C.
Brieger, Katinka Elizabeth	Va.	Broome, Irving	D.C.
Briggs, Virginia Carter	Md.	Brookzema, Lucy C.	D.C.
Briley, Margaret Lucille	Md.	Brookzema, Sergius D.	
Brill, Elouise Jean	Va.	B.M.E. 1914, Institute of Technology, St. Petersburg, Russia	D.C.
Brin, Carlos Nicolas, Jr.	Panama	Brophy, Jacqueline A.	N.J.
Brinkley, Ruby Irene	D.C.	A.B. 1943, University of Maryland	
Brinkman, Erwin F.	Ill.	Broche, Martin Ferdinand	Utah
Brinkmeyer, Charlotte Amelia	Iowa	B.S. in L.E. 1933, Cooper Union	D.C.
Brinks, Charles Wesley	Ky.	Brossard, Howard Stratford	Va.
Briscoe, Maye Howell		Brittman, Beatrice	
A.B. 1929, University of Kentucky		Broucher, John Frederick	
Briskin, Mollie Marlene	Mich.	A.B. 1926, A.M. 1929, Columbia University	D.C.
Bristow, Joseph Quayle	Va.		D.C.
		Brouse, Anna Elizabeth	Md.
		Brown, Agnes Marde	D.C.
		Brown, Alice Jean	D.C.
		Brown, Avers Jackson	D.C.
		Brown, Barbara Marion	D.C.

Brown, Beatrice Kaplan	Va.	Brownell, Robert M.	D.C.
Brown, Betty May	D.C.	B.S. 1941, M.S. 1943, University of Chicago	D.C.
A.B. 1937, The George Washington University		Browning, Edmund L., Jr.	D.C.
Brown, Donald Painter	W.Va.	A.B. 1917, The George Washington University	
A.B. 1942, B.S. 1943, West Virginia University		LL.B. 1940, Harvard University	N.J.
Brown, Elizabeth Patterson	Ariz.	Browning, John Barnett	N.J.
B.S.E. 1933, University of Arizona		B.S. 1943, University of Alabama	N.Y.
Brown, Ernest Edward	Okla.	Browning, Joseph Willmont	
Brown, Evelyn Adams	R.I.	A.B. 1940, University of Alabama	
Brown, Everett W.	Va.	Brownlee, Harrison James	D.C.
Brown, Harriette H.	Ill.	A.B. 1941, Houghton College	Pa.
Brown, Hazel E.	Ky.	Brownrigg, William	Pa.
B.S. 1942, Western Kentucky State Teachers College		Brubaker, Helen June	D.C.
Brown, Helen Ruth	Tex.	Brubaker, Marian Ruth	D.C.
Brown, Herione Kopp	Va.	Bruce, Bettelu	Minn.
A.B. 1934, Wellesley College		Bruce, Tracey Kirtz, Jr.	D.C.
Brown, Irene Mae	Md.	Brudie, Catherine Genevieve	D.C.
Brown, James E.	D.C.	Brudon, William Lee	D.C.
Brown, James Edsel	Ky.	Bruger, Katinka Elizabeth	S.D.
Brown, Janette Carlton	Va.	Brugger, Vernon Walter	
Brown, Jeannette Alta	D.C.	B.S. in Ed. 1936, University of South Dakota	D.C.
Brown, Joseph Grant	Va.	Brummer, Eleanor	Minn.
Brown, Joseph Warren	D.C.	Brundage, Hazelle Marie	Ohio
Brown, Kenneth L.	D.C.	Brown, Rose Elizabeth	
Brown, LaVerne Margaret	Va.	B.S. 1918, Ohio State University	D.C.
Brown, Leon West		Bryant, Doris Jeanne	D.C.
A.B. 1933, Maryville College		Bryan, Alma	Va.
Brown, Leonard Ralph	N.Y.	Bryan, Anne Convers	D.C.
Brown, Lida Crockett	Va.	Bryant, Beatrice Marie	
Brown, Lois May	D.C.	Bryant, Herwill M.	Md.
Brown, Lula Kathryn	Tex.	A.B. 1917, American University	D.C.
A.B. 1916, West Texas State Teachers College		Bryant, Ruth Eleanor	Md.
Brown, M. Jewel	D.C.	Bryant, William Allen, Jr.	D.C.
B.S. in Ed. 1941, University of Georgia		Buchanan, George Cumming	Tex.
Brown, Mardelle Lee	D.C.	A.B. 1944, Duke University	
Brown, Marjorie Alice	D.C.	Buchanan, James Paul, Jr.	D.C.
B.S. 1942, Wilson Teachers College		B.S. in E.E., M.S. in E.E. 1923, University of Texas	Md.
Brown, Marjorie Nina	D.C.	Buchanan, John David	
Brown, Mary Anne	D.C.	Buchanan, Ruth Edith	Md.
Brown, Mary Elizabeth	Va.	A.B. 1941, University of Maryland	D.C.
B.S. 1927, College of William and Mary		Buchanan, Thomas Ryland	Ind.
Brown, Mary Frances	D.C.	Buckholz, Marion F.	Va.
A.B. 1912, American University		Buck, Bernard R.	D.C.
A.M. 1949, The George Washington University		Buckelew, Dorothy Marie	
Brown, Mary Winona	Va.	Buckingham, Jean	D.C.
Brown, Melvin Manuel	Va.	B.S. 1917, Wilson Teachers College	
A.B. 1941, University of Missouri		Buckler, Emily Allen	D.C.
Brown, Merrill R.	Va.	A.B. 1941, The George Washington University	
Brown, Nancy Elizabeth	Va.	Buckler, James Leonard	Calif.
Brown, Norma Mildred	Ohio	Buckley, Jane Edna	D.C.
Brown, Paul A.	D.C.	Buckley, Marion	D.C.
Brown, Phyllis Rosen	Md.	Buckner, Thelma	D.C.
Brown, Robert, Jr.	N.C.	Buckton, Edward George	Pa.
B.S. in C.E. 1926, North Carolina State College		Buell, Miner W., Jr.	
Brown, Robert Alfred	D.C.	Bullies, Bruce	
Brown, Robert Bruce	Tex.	A.B. 1930, University of California	D.C.
Brown, Russell Martin	Md.	M.S. 1916, Columbia University	Pa.
Brown, Suzanne Williamson	D.C.	Balke, Lillian Orodth	Mass.
Brown, Virginia Geraldine	D.C.	Balke, Joseph Elmer	D.C.
Brown, Virginia Lee	D.C.	Ballock, Charles Lovell	Va.
Brown, William Vincent, Jr.	Tex.	Ballock, Helen D.	Calif.
B.B.A. 1941, University of Texas		Balock, Marion G.	D.C.
Brownback, Anna D.	Ala.	Barker, James Elliot	D.C.
A.B. 1942, University of Alabama		Burch, Ruth Pearl	M.
Browne, Audrey Bernadine	D.C.	Burcham, Robert Poplin	
		Burden, William Harold	D.C.
		A.B. 1928, University of Oklahoma	
		Burgess, Aubrey Lewis	

Burgess, Eileen Elizabeth	D.C.	Cady, Joan	N.Y.
Burgess, Margaret McKenzie	D.C.	Caffrey, James Francis	Pa.
Burgess, Samuel Charles	Va.	Cagle, Langley C.	S.C.
Burgess, Suzanne	Mass.	Cahen, Alfred	Va.
Burgess, Vera Rose	Mont.	A.B. 1927, Ohio State University	
Burke, Vivian Toba	Va.	A.M. 1929, Ph.D. 1932, Columbia University	
Burkheimer, June E.	Iowa	Cahen, Frances Heller	Va.
Burnett, Arden Louis	Va.	A.B. 1936, Vassar College	
Burnett, Elizabeth Reid	Va.	Cahill, Mary Frances	D.C.
Burnette, Norene Francis	D.C.	Cahn, Raphael David	D.C.
Burnette, Wanda Sturgill	Ky.	Cahn, Shirley Elizabeth	Va.
Burnham, Perley M.	Va.	Caird, Mildred	D.C.
Burns, Dorothy S.	Kans.	B.S. 1936, University of Chicago	
Burns, George E.	D.C.	Carna, Edna Marie	N.J.
A.B. 1917, St. Thomas College		B.S. 1940, New Jersey State Teachers College	
Burns, Persia Thurtell	D.C.	Carras, Thomas Robert	D.C.
Burns, Regina Adele	D.C.	Casbeck, Margaret Anne	D.C.
Burns, Robert Emery	D.C.	Cathoun, Edward Joseph	N.C.
Burns, Walter Joseph	D.C.	Caster, Sue Brent	Md.
Burnside, Esther Gary	D.C.	Cathoun, Edward Joseph	
A.B. 1918, Ohio State University		A.B. 1937, The George Washington University	
Burrett, Mary B.	D.C.	Calkins, Alice Angela	Va.
Burridge, Geotse Shaw	Ill.	Callahan, Mary Jane	Ohio
Burroughs, Delbert Lee	Va.	Callan, Margaret Elizabeth	D.C.
Burroughs, Esther Virginia	Md.	A.B. 1941, The George Washington University	
Burroughs, John	Va.	Callanan, Paul Edward	N.Y.
Burr, Winifred Elmore	S.C.	B.S. 1939, Cornell University	
Burstein, Harold N.	D.C.	Callanan, Thomas John	Ill.
B.S. 1934, College of the City of New York		Callander, Ann Deeley	Md.
Burton, Justine	D.C.	Callaway, Helen	Ga.
Burtram, Karl M.	Ala.	Callman, Susan Eva	D.C.
Bush, Andrew Lytleton	Miss.	Calcutt, Mary Elinor	Mass.
Busher, Louise E.	Md.	Calderesia, William Basil	D.C.
Buser, Carolyn Lydia	Mo.	Calderis, Catherine	D.C.
B.S. 1947, M.S. 1941, Washington University		A.B. 1940, American University	
Busey, Mary Carolyn	D.C.	Calub, Nemesio O.	D.C.
Bush, Marian Louise	D.C.	Calvert, Gordon Lee	D.C.
Bushart, Lue	Ky.	A.B. 1943, The George Washington University	
A.B. 1940, Murray State Teachers College		Calvin, Ralph Whitmore	D.C.
Butcher, Marillyn Alice	Mass.	B.S. 1942, Lawrence College	Panama
Butterbaugh, Charles C., Jr.	D.C.	Calvo, Gloria	Va.
Butler, Barbara	N.Y.	Calv, Mary Alicia	D.C.
Butler, George William	Md.	Cambour, Marie-Louise Antoinette	Mich.
Butler, Ruth D.	Md.	Cameron, Archie Enos	
B.S. 1938, John Brown University		B.S. in Com. 1941, Ferris Institute	
Butler, William Arthur	Mass.	Cameron, Jean Wood	Mich.
Butts, Masako	Conn.	Cameron, Joseph Harold	
Buttik, Ruth Evelyn	Mass.	B.S. in Phar. 1938, University of North Carolina	Tex.
Butts, Frankie Wilson	D.C.	Cameron, Margaret Davis	
B.S. in Ed. 1922, University of Missouri		A.B. 1942, Texas State College for Women	Conn.
A.M. 1942, The George Washington University		Cammisa, Guido Frank	D.C.
Butzen, William Emil	D.C.	Camp, Hazel Jean	Va.
Rutz, John Regis	Calo.	Campbell, Carolyn	D.C.
Byars, Helen Marie	D.C.	Campbell, Claude Edward	Calif.
B.S. 1942, The George Washington University		Campbell, Janet Parth	Scotland
Byrne, Ethel Ashworth	N.Y.	Campbell, John Edgar	D.C.
A.B. 1937, Barnard College		Campbell, John Wood	Ark.
A.M. 1939, Columbia University		Campbell, LaNita Alice	Md.
Byrne, Yvonne Kelker	D.C.	Campbell, Mary Elliott	Ark.
Byrnes, Claire Hyde	D.C.	Campbell, Mary Frances	D.C.
Byrnes, Hope Alice	Mo.	Campbell, Patricia Margaret	D.C.
Byrns, Barbara Ann	N.H.	Campbell, Patsy Ann	Md.
		Campbell, Paul Gilbert	N.J.
		Campbell, Richard D.	
		B.S. in E.E. 1922, The George Washington University	
Cabell, Charles A.	D.C.		
A.B. 1922, Mississippi College			

Campbell, Ruth Glenrose	D.C.	Casey, Margaret Mary	MD
Campas, Rose L.	Pa.	A.B. 1930, Seton Hill College	
Campas, Roberto de Oliveira	D.C.	M.Ed. 1915, Rhode Island College	
Campas, Ros Nestor Manuel	D.C.	of Education	
Cancero, Cito A.	N.Y.	Cason, James H.	D.
Cannon, Anna Margaret	W.Va.	Cason, Vivian Janne	D.C.
Cannon, Jane Gay	D.C.	Castleman, Betty	D.C.
Cannon, John Andrew	Md.	Castro, Benjamin Ricardo	D.C.
Cannon, Shelton Marner	N.C.	Castro, David Alejandro	
Canor, Sylvia	N.Y.	B.Arch. F. 1942, Catholic University	
Canter, Esther Paula	Pa.	of America	D.C.
Canter, Marian	Pa.	Castro, Tomasa	N.Y.
Cantrwell, Katherine Louise	Tenn.	Catavid, Gustav	N.Y.
Capelli, Joseph Thomas	Mo.	Cathart, Frances Lois	Mo.
B.S. in C.E. 1930, University of		Caton, Lucille	
Missouri		Caton, Vernon Vertal	
Capon, Charles Orval	D.C.	Catt, Harold Victor	D.C.
Capps, Jackie Roper	D.C.	Cassman, Wallace Joseph	D.C.
Capps, Novella Horton	D.C.	Cavender, Eusebe Natalie	D.C.
Carden, Mary Stuart	Ga.	Cavey, Margaret	
A.B. 1944, The George Washington		A.B. 1941, The George Washington	
University		University	MD
Cardwell, Clara Lee	D.C.	Cawley, Joseph Thomas	N.Y.
Carey, Hoose Milton	D.C.	Cavas, Anton	D.C.
Carey, Marguerite Ann	D.C.	Centeno, Eufrasia Rodriguez	D.C.
Carey, Mary Louise	Pa.	Cerami, Charles August	
Cargile, Louis Clare, Jr.	Ark.	B.S. 1942, Georgetown University	P.R.
A.B. 1942, Dartmouth College		Cerra-Quimones, Jose	
Carignan, Stella C.	Va.	B.S. 1942, University of Puerto Rico	D.C.
Carl, R. D. Margaret	Md.	Chacernas, Nicholas James	D.C.
Carl, William Thomas	Kans.	Chacernas, Sophia Nichols	D.C.
Carlisle, Barbara Ann	Va.	Chaces, Anthony	D.C.
Carlisle, Mabelle Lambert	D.C.	Chaces, Maria George	D.C.
Carlson, David Irvingston	N.Y.	Chadwick, W. Barnett	Miss.
Carlson, Mary Alaba	Md.	Chadlin, Irma O'Neal	MD
Carlson, Raymond Axel	Ill.	Charfetz, Mollie Miller	
Carlstedt, Clifford	Minn.	B.S. in Ed. 1916, New York Uni-	
Carmen, John Cherrington	Utah	versity	D.C.
A.B. 1941, University of Utah		Chacken, Bernard	
Carminshel, Leah K.	Wash.	B.S. 1940, College of the City of	
A.B. 1948, University of Washington		New York	ME
Carnes, Raymond Eugene	Md.	Charles, Wana Eugenia	D.C.
Carnes, Frances Elizabeth	Mass.	Chakera, Pauline	Va.
Carruthers, Norma Constance Lee	Kans.	Chalmers, Carlev Mabel	D.C.
Cassio, Melouent Madeline	Md.	Chalmers, Philip Owen	
Carpenter, Carmen Carolyn	Ill.	B.S. 1921, Harvard University	N.Y.
Carpenter, Dorothy Moore	D.C.	Chambers, Mary Louise	Va.
Carpenter, Gladys Rosemary	Fla.	Champlain, Mary Margaret	ME
Carpenter, Ralph Arthur	D.C.	Champlin, Ellis Earl	
Carpenter, Ruth Elizabeth	D.C.	A.B. 1940, University of Nebraska	RI
Carpenter, T. Kinsey, Jr.	Del.	Champlin, Marjorie Weeden	
Carr, Nancy Jones	Va.	A.B. 1943, Wheaton College	Va.
Carr, I. Clyde	N.C.	Champney, Marguerite Kingston	Kans.
Carr, Mary Margaret	Ohio	Chanav, Nadine A.	Ten.
Carr, William H.	S.C.	Chandler, Inez	Va.
B.S. 1941, Furman University		Chaney, Jean Jackson	Ches.
Carrades, Joseph	D.C.	Chanx, Augusta Tai-hao	D.C.
Carrall, Carrie Louisa	D.C.	Chao, Yun Chang	D.C.
Carrall, George Joseph	Mass.	Chap, Gertrude Estelle	Va.
A.B. 1939, Clark University		Chapman, Howard Eugene	
Carrall, Mary Kathryn	Mo.	A.B. 1942, The George Washington	D.C.
Carrson, Doris Earl	D.C.	University	
Carter, Helen	Ga.	Chapman, Nina B.	
Carter, John Paul	D.C.	Chapman, Sarah S.	
A.B. 1941, The George Washington		A.B. 1926, A.M. 1929, University	
University		of California at Los Angeles	
Carter, Otis O.	D.C.	Chappell, Adele Hane	S.C.
Carver, Mary Ellen	Okla.	Chappell, Elizabeth McGaw	D.C.
Casbarian, Mary Louise	D.C.	Chappell, Ruth M.	D.C.
Casella, Raymond Francis	D.C.	Charles, Anita Sophia	D.C.
Casey, Ernest Raymond, Jr.	D.C.	Charles, G. Neil	D.C.
Casey, Kathryn Patricia	Wyo.	Charles, Jessalvne Lorraine	194
	D.C.	Chawver, James William	

Students Registered

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Charasky, Olga Grace	N.Y.	Clampitt, Elizabeth Anne	D.C.
Charwat, Florence Roslyn	D.C.	Clare, Alfred Richard	Wash.
Chase, Dawn M.	D.C.	Clark, Belvia Elaine	Va.
Chason, Irving Lee	D.C.	Clark, Carol Jane	Utah
Chazsar, Anne	Va.	Clark, Catharine Elizabeth	Va.
Chauncy, Marion Katherine	Ga.	Clark, Clara Belle	N.C.
B.M. 1926, Ithaca Conservatory		Clark, Eleanor Marguerete	Colo.
A.M. 1933, Columbia University		Clark, Evert Ballard	Md.
Chavez, Mary Armijo	N.M.	Clark, Frances Virginia	Ga.
Cecchi, Vincent Victor	Maine	Clark, Helen Mitchell	D.C.
A.B. 1940, University of Maine		Clark, India	S.C.
Cecchia, Rocchina	D.C.	Clark, Jane Elizabeth	D.C.
Chellis, Bertha Ethel	Pa.	Clark, John Burton	D.C.
Cherpowich, Nicholas	N.Y.	Clark, John Fulmer, Jr.	Pa.
B.S.S. 1939, College of the City of New York		B.S. in E.E. 1942, Lehigh University	Ill.
Cherner, Iryce Nadine	D.C.	Clark, Marjorie Ida	D.C.
Chervitz, Alexander	D.C.	Clark, Mary Virginia	D.C.
Cheseldine, Margaret Louise	D.C.	Clark, Neil	
Chevallez, Jacqueline Marie-Leonice	D.C.	B.S. in E.E. 1943, Texas Technological College	
Chew, Geoffrey Foucat	D.C.	Clark, Raymond Gordon, Jr.	Ky.
Chewning, Wilda Jane	Va.	Clark, Ruby A.	Va.
Cheyney, Barbara Bell	Va.	Clark, Sidney B.	N.Y.
B.S. 1933, Wilson Teachers College		Clark, Vanda Magdalena	D.C.
Chicovsky, Mildred	D.C.	Clark, Victor C.	D.C.
Chidnat, Ralph Leroy	D.C.	Clark, William Douglas	D.C.
Child, Ralph Grassing	N.Y.	Clarke, Dorothy Lucile	S.C.
A.B. 1941, Hofstra College		B.S. 1940, Winthrop College	Pa.
Childers, Garnette F.	Ga.	Clarke, Eileen Kimball	Minn.
Childers, Melissa Alice	Ala.	Clarke, Helenann	Conn.
Childress, Austin Bruce	Ind.	Clarke, Marianne Francine	D.C.
Childress, Mary Lou	N.C.	Clarke, Robert Love	Pa.
Childress, Wade Benson	D.C.	Clarke, Ruth A.	Calif.
Childs, Georgiana	D.C.	Clasen, Henry Christian, Jr.	Ky.
Childs, Irene M.	Mo.	Clay, Alta Tinsell	Nebr.
Chin, William	D.C.	Clay, Cornell Malcolm	D.C.
Clasote, Harold Lewis	Va.	Clay, George William	D.C.
Clawson, Marion Louise	D.C.	Clay, Kathryn Geneil	D.C.
Clawson, Robert	D.C.	Clayman, Betty Jean	Va.
Clomo, Marie Violet	Ohio	Clayton, Sybella White	N.C.
Clorpening, Dorothy Louise	Va.	Clement, John Reid, Jr.	
Chow, Er-Hsun	D.C.	A.B. 1943, Catawba College	Va.
A.B. 1933, Fuh Tan University		Clements, Barbara	Tex.
Chowansky, John	Pa.	Clements, Neal Woodson	D.C.
Christen, Clare Maria	D.C.	Clewlow, Carl William	N.Y.
Christensen, Otto Robert	Calif.	Clift, Ethel	
Christensen, Zella Agnes	N.C.	A.B. 1941, Bryn Mawr College	Ind.
Christenson, Cullen Yates	Utah	Clift, Martin Waterman	Va.
Christianson, Charlotte Marie	D.C.	Clise, Marjorie Ann	Va.
Christie, Alexander Knox	Md.	Clinton, Robert Glenn	Conn.
B.S. 1940, New York University		Clise, Sheila Margaret	D.C.
Christoffersen, Olaf Holman	Wash.	Clisen, Lois Elizabeth	Va.
Christoph, Carolyn F.	D.C.	Clived, George Wendell	Mo.
Christoph, Kathryn Helen	D.C.	Cobb, Gloria Anne	N.M.
Christopher, Lawrence Cornell	Va.	Coberley, Leona Pearl	Va.
Christy, Rita Mary	D.C.	Coberth, Josephine Lucille	D.C.
Chu, Phyllis S. Y.	D.C.	Cochran, Bettie Wallace	Ark.
A.B. 1938, Yenching University		Cochran, Doree Emory	Md.
Chu, Wen Piao	D.C.	Cochran, Lorain Delzner	
Chuan, Kemp-E	China	B.S.E. 1932, University of Arkansas	D.C.
Chudzik, John Stephen	D.C.	Cochrane, Dorothy Helen	D.C.
Chung, Kyung Suen	D.C.	Cochrane, Edith Lillian	La.
B.S. 1924, Ohio Wesleyan University		Cockerham, Lula Faye	Md.
M.S. 1924, New York University		Cockington, Rebba H.	
Church, Jessica Peel	Va.	B.S. 1931, University of Maryland	Md.
Church, Alice	D.C.	Coder, Oscar	
Churchill, Eva Rita	Pa.	B.S. 1914, M.S. 1916, Tulane University	
Church, Mary Anne	Tex.	LL.B. 1924, The George Washington University	N.Y.
Cisna, Frances Lathrop	D.C.	Codomo, Grace Marie	
Cisna, Norman Clark	Calif.		
Cisfalo, Louise Elizabeth	Md.		
Clafley, Helen Norbertine	Conn.		
Claffin, Ruth Carolyn	Va.		

Cook, John Alfred	D.C.	Couch, Clifford, Jr.	D.C.
A.B. 1932, Yale University		B.S. 1923, Dartmouth College	
A.M. 1934, Harvard University		Couch, William Morris, Jr.	Mo.
Cook, Margaret Wilson	D.C.	B.S. 1942, Harvard University	
Cook, Mildred Louise	D.C.	Courbis, Eugenie	Pa.
Cook, Phyllis Ruth	Ill.	Coursey, Adele M.	D.C.
A.B. 1910, University of Illinois		Coursey, Margaret Carolyn	Md.
Cooke, Isabella Edith	S. Africa	Court, Doris Mae	D.C.
Cooke, John James	D.C.	Courter, Richard Carson	D.C.
Cooksey, Florence A.	N.Y.	B.C.S. 1916, American International School of Commerce	
A.B. 1923, A.M. 1924, University of Rochester		Courtney, Jane	Tenn.
Cookson, Joseph William	Kans.	Covell, Beverly	D.C.
Coombs, Harriet	Oreg.	Cover, Mary Cleland	D.C.
LL.B., LL.M. 1930, Washington College of Law		Covello, Francis George	D.C.
Coon, Celia Wilson	Va.	Covington, Katherine Bynum	N.C.
B.S. 1922, Oregon State Agricultural College		Covington, R. Lynn	Idaho
Coon, Douglas	D.C.	Cowan, Charles Theron	D.C.
Cooper, Catherine Muir	D.C.	Cowan, Catherine Young	Md.
Cooper, Charles David	D.C.	Cowgill, Mary Estelle	Md.
Cooper, Emily Elaine	D.C.	Cox, Claire London	Md.
Cooper, Irving S.	Ill.	A.B. 1920, The George Washington University	
A.B. 1944, The George Washington University	D.C.	Cox, Ernest Damber	D.C.
Cooper, Joseph David	N.Y.	Cox, George Thomas, Jr.	Utah
Cooper, Mary Louise	Tenn.	B.S. in Phar. 1917, University of Idaho	
Cooper, Melba Coral	S.C.	Cox, Ida May	D.C.
Cooper, Paul David	D.C.	Cox, Katharine Crane	D.C.
A.B. 1930, Western Maryland Col- lege		Cox, Madge Lorene	Mo.
M.E. 1944, University of Maryland	Pa.	Cox, Marguerite	Fla.
Cooper, Ruth C.	D.C.	Cox, Martin Edward	N.J.
Cooper, Ruth T.	D.C.	Cox, Mary Elizabeth	N.Y.
Cooper, Sol Saul	D.C.	A.B. 1943, Bryn Mawr College	
B.C.E. 1934, Cooper Union		Cox, Mary Winifred	Mass.
Cooper, Suzanne Taylor	D.C.	A.B. 1940, The George Washington University	
Cooper, Thelma S.	D.C.	Cox, Mason Chandler	Va.
Cooper, William Waker	D.C.	Cox, Patricia Val	N.C.
A.B. 1938, University of Chicago		Covne, John Thomas	Ill.
Cooperman, Bernard Robert	D.C.	Cozik, Anastasia Nellie	Pa.
Cooperman, Isadore	D.C.	Crabtree, Dorothy Worth	Ohio
Copeland, Alfred	Va.	Cradley, James Nelson	Va.
Copeland, Anna E.	Kans.	Craft, Frances Elizabeth	D.C.
Copeland, Elizabeth	N.Y.	Craig, Helen Knox	Va.
Copley, Helen May	Mass.	A.B., B.S. in Ed. 1936, Ohio State University	
Coppa, Julia Anne	Va.	Cram, Curtis Griswold	Va.
Coran, Edward Robert	D.C.	Cramer, Mary Meeker	D.C.
Cornaros, Dorothea	Mass.	Crampsey, Mary	Pa.
Corbett, Jean Warthen	N.C.	Crandall, Albert Earl	D.C.
Corcoran, Catherine M.	Wis.	Crandall, Jane Delight	Md.
A.B. 1918, University of Wisconsin		A.B. 1944, The George Washington University	
Corder, Ruby Lee	D.C.	Cranford, Ralph Wilbur	Ark.
Corderman, Charles Leroy	D.C.	Crankshaw, Harold George	D.C.
Corey, Erwin Northup	D.C.	B.S. 1928, Carnegie Institute of Technology	
Cornier, Arthur John	Fla.	A.M. 1942, Cornell University	N.J.
Cutnash, Charles Shinton	N.Y.	Cranmer, Sallie Abigail	Wyo.
A.B. 1929, University of Missouri		Cranney, Wyndon Doyle	
M.B.A. 1931, Harvard University	Pa.	A.B. 1946, Brigham Young University	D.C.
Cornwell, Herbert Barttram	Va.	Crass, Mabel Helen	D.C.
Corro, Miguel Antonio	D.C.	Craxweller, Mildred Clarke	
Cotto, Pedro Francisco	Panama	B.S. 1941, Simmons College	S.C.
Cotton, Glena H.	Maine	Craver, William Everett, Jr.	D.C.
Cotakis, Helen Julia	Fla.	Crawford, Florence Morrison	D.C.
Costantini, Ralph	N.Y.	Crawford, Robert Eugene	
Costley, Clara Radine	Mo.	A.B. 1943, Ohio University	
Coston, L. Maie	D.C.	Crawford, Ruth A.	D.C.
Cote, Lorraine Marie	D.C.	Crawford, Sadi Strosnider	D.C.
Cottrell, Emily Jane	D.C.	B.S. 1924, Ohio University	
Cottrill, Harold Kenner	Pa.	Creeth, William	D.C.
Couch, Andrew Byron	D.C.		

Creeden, Joseph Cornelius	Pa.	Curtis, Charles Edward	Me.
Creel, Hope	D.C.	Curtis, Floyd John	Cal.
Creighton, Helen E.	Pa.	Cuthrell, Doris	Va.
A.B. 1932, Waynesburg College		Cutler, Doris	D.C.
A.M. 1936, University of Michigan		Cutler, Evelyn	D.C.
J.D. 1942, The George Washington University		Cutrufelli, Juliette K.	Gi.
Crenshaw, Mary Evelyn	S.C.	A.B. 1943, The George Washington University	
Cresthull, Esther	N.J.	Cutter, Howard Dilling	D.C.
Crickard, Robert Granville, Jr.	D.C.	Cutting, Grace Minor	N.Y.
Crish, Catherine M.	Va.	Cutting, Maebelle Frances	D.C.
Crismond, Louis Anthony	D.C.	Czajkowski, Norman	Wa.
Croarkin, Joann	D.C.	Czebotar, Helen A.	
Crocitto, Matilda Romeo	N.Y.		
B.S. 1934, A.M. 1935, Middlebury College		D	
Crockett, Mary Elizabeth	D.C.	Dabney, Anne Elizabeth	D.C.
Crolius, Newell Tucker	N.C.	Dach, Joseph	Me.
Cromer, B. Jane	D.C.	LL.D. 1928, University of Budapest	Un.
Cromer, Orland Dwight	D.C.	Dacres, William Gerald	D.C.
B.S. in C.E. 1931, University of South Carolina		D'Agaris, Rudy	Me.
Crong, Ruth Beverly	Nebr.	Dahlman, Ira Ralph	Va.
Cronin, Dorothy Rita	Mass.	Daines, Newel George, Jr.	D.C.
Crooks, Genie Ulmer	S.C.	Dakin, Patricia Marea	D.C.
Crooks, Hattie Marguerite	S.C.	Dale, Frances Juanita	Wa.
Cross, Gladys	D.C.	Dall, Mary Ann	D.C.
Crossland, Clem C., Jr.	D.C.	Dallas, Elizabeth Simms	Nebr.
Crossman, Homer Oliver	Va.	Dallom, D. Doxzen	
Crosswhite, Virginia Yvonne	Kans.	A.B. 1941, Moringside College	P.R.
A.B. 1943, Municipal University of Wichita		Dalmau, Carlos Jose	
Crouch, Robert Gresson	D.C.	A.B. 1942, The George Washington University	
Crowder, Virginia E.	D.C.	Daly, Cecelia Ann	Me.
Crowell, Esther Hannah	D.C.	Dameron, Joseph Jackson	D.C.
Crowell, Jack	D.C.	D'Amico, John Joseph	
Crowley, Fred Victor	Ky.	B.S. 1938, M.S. 1940, West Virginia University	Va.
Crowley, Robert Francis	Mass.	Dangler, Anita Evelyn	Va.
B.S. in B.A. 1942, Boston University		Daniels, Alice Campbell	Va.
Crowley, Virginia Polack	Ky.	Daniels, Lilla Wood	D.C.
Crowther, Jean Ann	Va.	Danly, Dorothy Jean	N.Y.
Cruley, George August	Va.	Danton, Andrew J.	
Crump, Nannie-Mayes	Miss.	A.B. 1928, College of the City of New York	Va.
A.B. 1918, Vassar College		Dantelen, S. W.	
Crumrine, Burton Eugene, Jr.	Md.	B.S. 1937, University of Kentucky	P.
Crumrine, Virginia Patricia	D.C.	Darling, Joseph Warren	
Cruz, Erasmo Ramirez	D.C.	B.S. 1931, Harvard University	
LL.B. 1927, University of Philippines		M.B.A. 1934, University of Pennsylvania	D.C.
Crystal, Daniel	N.J.	Darmstadt, William Eugene	Ala.
A.B. 1925, New Jersey State Teachers College		Darnell, Geraldine Farror	D.C.
Cuffley, Charles William	D.C.	Darr, Harry Frazee	D.C.
Cagle, Elizabeth	D.C.	Darr, Hope	Va.
Cullen, Lucille S.	Pa.	Darter, Oscar Haddon	
Cullen, Margaret Neave	D.C.	A.B. 1922, East Central State Teachers College	
Cullen, Marie Agnes	N.H.	A.M. 1926, Columbia University	Cal.
Comiskey, David Francis	Mass.	DaSilveira, Edmund Albin	
Communications, James Robert	Iowa	A.B. 1941, University of California	D.C.
Cummings, John A.	Alaska	Daubanton, Charles Jean Henri	Minn.
Cunney, George A., Jr.	D.C.	Daugherty, Charles Raymond	Va.
Cunningham, Edith Virginia	Mass.	Daugherty, Paul Henry	Va.
Cunningham, Harry Earl	Va.	Daumit, N. David	Mass.
B.S. in C.E. 1926, California Institute of Technology		Davenport, Frances Beatrice	
Cuplin, Esther Adelle	Nebr.	A.B. 1943, Wellesley College	N.C.
Curry, Harriet Bradford	D.C.	Davenport, Ralph G.	Cal.
Curry, Michael Joseph	N.Y.	Davey, Charles Henry	
B.S. 1941, St. John's University		A.B. 1937, University of California	D.C.
Curry, Thomas Francis	Mass.	David, Harry	D.C.
Curtice, Cooper Greyson	Va.	Davids, Frances	D.C.
Curtin, Charles Byron	N.Y.	Davidson, Barbara Louise	Va.
Curtis, Betty Jane	D.C.	Davidson, Gilbert	Me.
		Davidson, Harriet Johnson	

Davidson, Norman	N.Y.	Deetors, Edward William	Va.
Davidson, Sonia Alexandra	D.C.	B.S. 1943, The George Washington University	
Davidson, Sylvia	Pa.	Deeters, Elsie Elizabeth	Va.
Davis, Agnes Eleanor	D.C.	DeHart, Dennoeth Albert	Md.
Davis, Akin Thornwall	D.C.	Dehn, Ervin N.	Ill.
Davis, Annie	N.C.	Deitch, Morris Mal.	N.Y.
Davis, Beverly Miller	D.C.	Dekelbaum, Abraham	D.C.
Davis, Cathryn Riggelman	Md.	Dekelbaum, Bertha	D.C.
Davis, Charlotte	D.C.	Desom, Otto Joseph	D.C.
Davis, Dale Miller	Tex.	deLaborantaye, Elizabeth P.	Va.
Davis, David Stanley	D.C.	DeLaney, John Aloysius	D.C.
Davis, Dorothy	D.C.	del Gaudice, Henry Anthony	Md.
Davis, Dorothy Howland	Va.	Delich, Helen	Nev.
Davis, Edith Mae	D.C.	Delk, Frank Simpson	D.C.
Davis, Edward French	D.C.	Dellastations, Sinclair Bowen	D.C.
B.S. 1935, The George Washington University		Delle, Lyman Curtis	Minn.
M.S. 1940, University of Maryland		Delpopolo, Anthony James	N.Y.
Davis, Elton D.	D.C.	B.S. 1937, State Teachers College, Buffalo, N. Y.	
Davis, Esther Packman	Pa.	DeRossi, Virginia Barbara	Mass.
Davis, Evelyn Bertrand	Fla.	DeVecchio, Gloria Marie	D.C.
Davis, Gladys Letitia	Va.	DeVecchio, Iris Kennodie	D.C.
Davis, Harold Arthur	D.C.	DeVecchio, Marie Canetti	D.C.
A.B. 1941, The George Washington University		DeMandach, Henry I.	Switzerland
Davis, Janice Ellen	D.C.	deMariano, Mario	D.C.
Davis, Joseph Howe	D.C.	DeMedeiros, Fernando	Brazil
Davis, Judith McCutcheon	Va.	Demian, Livia Minerva	D.C.
Davis, Kenneth Clarence	Va.	Deming, Harry Leroy	Va.
Davis, Malcolm	D.C.	B.S. 1916, The George Washington University	
Davis, Marilyn Joyce	Md.	Demmel, John Henry	D.C.
Davis, Marjorie Angela	Va.	Dempster, Blanche Owens	Va.
Davis, Martha Vivian	Tenn.	Dempster, Jean Brodie	Va.
Davis, Mary Erwin	D.C.	Denenberg, Edith L.	D.C.
Davis, Mary Jordan	Calif.	Denota, Patrick J.	D.C.
Davis, Mary Lou	Tex.	Denunery, Phyllis Sugarman	La.
Davis, Muriel Lincoln	Mass.	Dennin, Lawrence Joseph	Va.
Davis, Nellie Elizabeth	Calif.	Dennis, William Merrill	Va.
Davis, Oscar Lloyd	Md.	A.B. 1927, State University of Iowa	
Davis, Patricia Jeanne	N.Y.	Denny, Alice Josephine	D.C.
Davis, Paul Lee	D.C.	Denny, Ethel Mary	Pa.
Davis, Robert Lloyd	Va.	A.B. 1941, The George Washington University	
Davis, Sadye Jane	Pa.	DeObaldia, Manvela Judith	Panama
Davis, Stanley Robert	N.Y.	Depew, Harry Walker	D.C.
Davis, Virginia	N.C.	A.B. 1941, University of California	
Davison, Elizabeth Knotts	Md.	Depue, Dorothy C.	Oreg.
Davison, Marilyn J.	Minn.	B.S. 1936, Oregon State Agricultural College	
Dawson, Bette	D.C.	Depue, Margaret Von Nostrand	Va.
Dawson, Norman David	Ohio	Detrich, Bernice Marie	D.C.
Day, Charles Herbert	N.C.	Devletian, Freda E.	D.C.
Day, Elsie May	Mo.	DeRoux, Jane	D.C.
Day, Louise Ruby	Va.	DeRosa, Edward Francis	Mass.
Day, Orlo Lovell	Ohio	Detoun, Ruth Elizabeth	D.C.
Day, Robert Briggs		A.B. 1942, Mount Holyoke College	
A.B. 1943, Haverford College		Derr, George Lewis	Pa.
Dayton, Glenn Orville	Calif.	J.D. 1941, The George Washington University	
Dean, Bettynan	D.C.	Dervan, John Murray	Mass.
Dean, Dorothy Louise	D.C.	B.S. 1936, LL.B. 1938, Boston University	
Dean, Gertrude Blanch	N.Y.	DeShaz, Katherine C.	D.C.
Deavers, William Purser, Jr.	D.C.	Deskin, Elaine	D.C.
DeBolt, Julia Lee	W.Va.	Deskin, Leona	Md.
DeButts, Frances VanMeter	D.C.	Detrick, Mary Jane	D.C.
DeCarvalho, Laura F.	Conn.	Detry, Wendell E.	N.Y.
Dechert, Joseph Alfred	Pa.	Deull, Sol	Va.
Dech, William Ambrose	D.C.	Deuterman, Mary Alice	Mass.
DeCornelle, Roland	D.C.	Deutsch, Ralph	D.C.
DeCorey, Elizabeth Rowland	D.C.	B.S. 1941, University of Michigan	
Dedekam, Louise Sparre	Pa.	Devane, M. Raphael	
Dedick, Betty Jean	Wash.		
Dee, Florence Gloria	Ala.		
Dees, Lola Tidwell			

Devilbiss, Wilbur	Md.	Dixon, Ola Maye	Va
A.B. 1925, Western Maryland College		Dixon, Royal Gloria	Canada
Devine, Charles Joseph, Jr.	Va	Djoshkevitch, Maria Petrova	D.C.
A.B. 1941, Washington and Lee University		Dmitrieff, Elenore M.	D.C.
Devine, Edward Peter	D.C.	A.B. 1929, University of Washington	Va
Deviny, Margaret Katherine	D.C.	Doane, John F. and	NY
Devlin, Desmond John	England	Dochterman, Elsie F.	
Devonald, Catherine Baur	Va.	A.B. 1919, M.S. 1934, Columbia University	
A.B. 1940, The George Washington University		Dockerman, Mollie	Iowa
DeVries, John Joseph	D.C.	Dockum, Nieslee Bullard	D.C.
Dewey, Wayne	D.C.	Dodd, Dana Jean	Va
Dewhurst, Howard Homer	D.C.	Dodger, Dorothy Mae	NY
A.B. 1941, The George Washington University		Dodge, Robert Carter	M.
Dexter, Roberts Amory	Ga	Dodson, Boltwood Edmund	
Deyhle, Jeanne Eleanor	D.C.	Graduate 1921, United States Naval Academy	
Diamond, Evelyn Hilda	D.C.	Dodson, Claire	Iowa
A.B. 1931, New York University		Dodson, Emily E.	Tex.
Diamond, Lea	N.Y.	Doe, Frederick H., Jr.	Va
Diaz, Dona	D.C.	Doherty, Madara Jane	N.J.
Dibrell, Joseph Burton	Tex.	A.B. 1941, University of Washington	Minn.
Dick, Paul	D.C.	Dokken, Nyal C.	
Dick, R. Eldon	D.C.	A.B. 1939, The George Washington University	
Dickerman, Delight	D.C.	Doland, Alger Burr	N.J.
A.B. 1942, The George Washington University		Dolleshal, Velva Elizabeth	D.C.
Dickey, Margaret Penelope	Pa	Dollarhide, Ivajean	D.C.
A.B. 1931, Pennsylvania State Teachers College		Dollarhide, Jane	D.C.
A.M. 1936, Columbia University		Dolnick, Ethel Helen	
Dickinson, Betty Alberta	Pa	B.S. 1943, The George Washington University	Tex.
Dickson, Letty Stelly	Md	Dom, Frances Pearl	Md.
Dicksa, Alvin Paul	Calif	Dom, Jesse Roy	D.C.
Dicksa, Carl Adam	Calif	Domeshek, Sol	
Dickson, Beatrice A.	Okl.	B.S. 1941, College of the City of New York	N.M.
B.S. 1939, Northeastern State University		Dominguez, George D.	D.C.
Dickson, Benjamin Hedgepeth	N.C.	Domingus, Howard L.	Idaho
DiDomenico, Angela Roslynn	Ill	Donaldson, Charles R.	N.Y.
Diehl, Saylor Flory	Va	A.B. 1941, University of Idaho	D.C.
A.B. 1943, Bridgewater College		Donecho, Deborah Ann	Ill
Dieterle, Dorothea Mary	D.C.	Donnell, Betty Jane	D.C.
DiGirolamo, Anna Mary	D.C.	Donnelly, Mary Elizabeth	D.C.
B.S. 1939, Wilson Teachers College		Donoghue, Helen C.	Va
Dr. Elsa Lilly	N.Y.	Doolley, Mary Elizabeth	D.C.
Doland, Edna Hearne	N.C.	Doolittle, Mary Elizabeth	N.Y.
Dillon, Helen	D.C.	Doremus, Jean N.	S.D.
Dillon, John Francis	D.C.	Dormaier, Olinda Pauline	D.C.
B.S. 1943, Catholic University of America		Dorman, Jean Eldora	Va
Dillon, Zietta Shriver	D.C.	Dornaus, Robert Kaywin	Va
Dimeff, John	Calif	Dornberger, Gertrude Lucille	Mo
B.S. 1941, Harvard University		Dornberger, Marianna	D.C.
Dinaburg, Aaron Gordon	N.Y.	Dorrel, Robert E.	D.C.
B.S. 1935, Brooklyn College		Dorach, Ruth	Va
A.M. 1939, The George Washington University		Dorset, Carey Tremains	Va
Dirman, Adeline L.	Md	Dorset, Kathryn Lee	D.C.
Dougman, Jacqueline Rose	Md	Dorsey, Alma Louise	Va
Director, Maude K.	Md	Dorsey, Margaret W.	
A.B. 1918, State College of Washington		A.B. 1926, Westhampton College	
A.M. 1928, Columbia University		A.M. 1931, Teachers College, Columbia, S.C.	Nev.
Doschel, Frank	N.Y.	Dorton, Daniel K.	Va
Dosier, Oscar Charles	Pa	Dorve, Myldred Marguerite	
Dittman, Louise M.	Ill	A.B. 1942, The George Washington University	D.C.
Dittoe, Carolyn Louise	D.C.	Dougherty, Faith	Md
Divine, William R.	Calif	Dougherty, Barbara Valeria	D.C.
A.B. 1937, Pomona College		Douglas, Hector Donald	D.C.
A.M. 1939, University of Cincinnati		Dove, Lucille Weiss	D.C.
Dixon, Kenneth Fife	Va	Dowell, Jean Lee	

Dover, G Lawrence		D.C.	Duggins, Virginia Anna	D.C.
Dowd, James John	Ill.		A.B. 1942, Sweet Briar College	
A.B. 1943, The George Washington University			Duhigo, Virginia Elizabeth	N.Y.
Dowling, Carolyn Rose	N.C.		Duke, Vera Graham	D.C.
Downer, Hugh Cameron	Mich.		Dulberger, Harriette Frederica	D.C.
B.S. 1949, University of Michigan			Dulin, Samuel Nathan, Jr.	N.C.
Downey, Alma G.	Neb.		B.S. 1942, University of North Carolina	Pa.
Downey, Mary Margaret	N.Y.		Dumbroski, Cecelia D.	Minn.
Downing, Edna Earline	Va.		Dummer, Mary Theresa	Iowa
Downing, Mary J.	Mo.		Dunaway, Helen Elizabeth	D.C.
A.B. 1941, William Jewell College			Dunlop, James Robert	Pa.
Doyle, Charles F.	D.C.		Dunn, Charles Welde	
B.S. 1938, Syracuse University			B.S. 1943, Clemson Agricultural College	
Doyle, Edward Joseph	D.C.		Dunning, Marion Pierce	N.Y.
Doyle, Mahoon Eugene	N.Y.		B.S. in Ed. 1942, State Teachers College of Buffalo, N. Y.	
Doyle, Marymargaret	Pa.		Dunzce, Bernadine Langdon	D.C.
Dozier, Alline Hart	La.		B.S. in Ed. 1939, Wilmington College	
Dozier, Benjamin Holmes	Ark.		Durfee, Grace Campbell	D.C.
Dracos, Kathleen	D.C.		B.S. 1937, University of Minnesota	D.C.
Draczer, Edith Prindle	D.C.		Durgin, Franklin Willoughby	Calif.
B.S. 1940, Wilson Teachers College			Durst, Barbara Alice	Va.
Drake, John Lester	N.Y.		Duvall, Lois Afton	Va.
B.M.E. 1943, Lawrence Institute of Technology			Duvall, Mabel	S.D.
Drake, Leona Belle	D.C.		Duxbury, Clyde Marion	Mo.
Draper, Ruth Estelle	Mass.		Dwyer, Maribeth	
Draper, Charles Alfred	Md.		A.B. 1942, Montana State University	W.Va.
Draper, Elizabeth Kohl	D.C.		Dybvad, Ruth Jencine	D.C.
A.B. 1924, A.M. 1934, The George Washington University			Dye, Carrie Virginia	
Dratwick, Christine H.	Ill.		B.S. 1927, West Virginia University	Tex.
Draxton, Mildred Arline	Mont.		Dyer, Esther Fay	D.C.
Draxton, William Brooks	Ala.		Dysland, Robert Carroll	
Driscoll, Evelyn Edith	N.J.			
B.S. 1941, The George Washington University			Eackloff, Beatrice C.	Conn.
Drew, Jane Carolyn	D.C.		A.B. 1938, Hunter College	Conn.
Driggs, Lydia Stefanski	D.C.		Eackloff, Sophie	Va.
A.B. 1941, University of Colorado			Eakin, Kathleen	Ky.
A.M. 1941, University of Chicago			Eakins, Vivien Jane	D.C.
Drimmer, Bernard E.	N.Y.		Eanet, Morton Philip	D.C.
B.S. 1939, College of the City of New York			Eanet, Rena Doris	D.
Driscoll, Annette Marie	D.C.		Earle, Elizabeth Rebecca	Va.
Driscoll, Elizabeth Christine	Maine		Earp, Thomas Spencer	Va.
A.B. 1942, Trinity College			East, Catherine Shupe	
Driscoll, John I.			A.B. 1941, Marshall College	
Driver, Howard Wesley	N.Y.		Easterson, Harold George	D.C.
Druban, William James	D.C.		Easton, Roy B.	Ky.
I.L.B. 1941, St. Johns University	D.C.		A.B. 1942, The George Washington University	
Drill, Agnes Betty	Ohio		Easton, Rumer Lee	Vt.
Druse, Katharine	Ohio		A.B. 1941, Middlebury College	Va.
A.B. 1942, Iowa Wesleyan College			Easton, Cram Hubert, Jr.	Pa.
A.M. 1929, Columbia University			Eberenz, Marion Jane	D.C.
Drusko, Leslie Powell	Md.		Eberman, Blanche Trice	Ohio
Dublin, Bessie Patrick	D.C.		Edmond, Walter Stanley	
A.B. 1914, Indiana University			B.S. in Ed. 1941, Capital University	Utah
Dubendorf, Jeanne Miller	Md.		Eckles, Samuel Davis	D.C.
Dun, Harold	D.C.		Eckard, Lewis Dillwyn	D.C.
Dubois, Armand Buddington	D.C.		Eckard, Miriam Beatrice	D.C.
A.B. 1929, I.L.B. 1932, Columbia University			Eckhardt, Robert Wilson	D.C.
Duckworth, Pauline A.	N.Y.		Eckert, Laura Gold	D.C.
A.B. 1939, Syracuse University			Eckert, Thomas Joseph	
Duff, Elizabeth Mabel	Md.		B.S. 1944, The George Washington University	W.Va.
Duff, Marie Uram	Pa.			
Dufford, Lucille Marie	Pa.		Eckley, Elizabeth Doreene	Ark.
B.S. in Ed. 1942, State Teachers College, Slippery Rock, Pa.			A.B. 1943, Marshall College	Ark.
Duffy, Ruth Mary	Minn.		Federington, Kate Will	D.C.
DeFrance, Beatrice Anna	N.Y.		Federington, Virginia	D.C.
DeGdale, Donna Elizabeth	D.C.		Edce, Ruth Marianne	D.C.
			Edgerton, John D.	N.Y.
			Edgheffer, Dorothy A.	

Edmunds, Evelyn Lockwood B.S. in Ed. 1941, Buffalo State Teachers College	D.C.	Elmqvist, Karl Erik A.B. 1932, Southern Methodist Uni- versity	Te.
Edson, Leo S. B.S. 1940, College of the City of New York	N.Y.	A.M. 1939, University of Texas	Min.
Edruts, Audrey R. B.Ed. 1943, Chicago Teachers College	D.C.	Elsea, Louise Wyman B.S. 1935, Northwest Missouri State Teachers College	D.C. D.C.
Edwards, Barbara Judith	D.C.	Elstein, Herbert	
Edwards, Helen Irene	D.C.	Elvove, Faiga Rose A.B. 1942, The George Washington University	D.C. D.C.
Edwards, Helen R. A.B. 1914, University of North Carolina	N.C.	Elvove, Solomon	
Edwards, Jean Shearer	D.C.	Ely, Ruth Helen	D.C.
Edwards, Mary Adelaide	D.C.	Embrey, Caroline	D.C.
Edwards, Mary Louise	D.C.	Embry, Victoria Caroline	D.C.
Egan, Anna Virginia	N.J.	Emerson, Earl W.	D.C.
Egan, James Frederick	D.C.	Emerson, Robert Stewart	D.C.
Egatal, Frances S.	D.C.	Emerson, William Joseph B.S. 1940, Catholic University of America	N.J. Md.
Eggenling, Dorothy Jean	Md.	Emmetson, Martha Lucile A.B. 1934, Missouri Valley College	Md.
Ehlert, Joseph Henry	Calif.	Emmitt, Harry Floyd	D.C.
Ehrenkrantz, Marion	D.C.	Endara, Constantino Carlos Licenciado 1938, University of Quaya- quil, Ecuador	D.C.
Ehrlich, Bernard Herbert	D.C.	Eng, Muriel Ruth	S.F.
Ehrmann, Margaret Berlin	Va.	Eng, Francis J.	Md.
Ehrbender, Fay	D.C.	Engel, Carl S. A.B. 1941, University of Michigan	D.C.
Ehrhart, Harry Edward, Jr.	Pa.	Engel, Ruth	N.Y.
Eisenberg, William Herman	Va.	England, Louise A.B. 1937, University of Oklahoma	Md.
Eisenberg, William Victor A.B. 1934, Brooklyn College A.M. 1942, The George Washington University	D.C.	Englander, Florence	N.Y.
Eisenhard, Antoinette A.B. 1941, Moravian College for Women	Va.	Eagle, Ruthann	Md.
Eisenhard, John H.	D.C.	English, Thomas Young A.B. 1941, The George Washington University	Tex.
Eisenstein, Davette	Ohio	Ennenga, Eugenia Armour A.B. 1941, MacMurray College	Md.
Foster, Vivienne M.	D.C.	Ennis, Margaret E.	Min.
Ekas, Sigurd Mervalds	D.C.	Ennis, Meta Alden	Va.
Elder, Helen Koch	D.C.	Ensign, Allan Beaumont	Md.
Elledge, John Fox	D.C.	Epley, Charlie Mae	N.J.
Elledge, Annie Moore A.B. in Ed. 1941, The George Wash- ington University	Miss.	Epstein, Bernard A.B. 1940, M.S. 1942, New York University	N.Y.
Ellingson, Norma Alvilda	Wash.	Epstein, Joseph Bernard A.B. 1942, The George Washington University	D.C.
Elinson, Marcelle Diane	D.C.	Erickson, Eleanor Grace	Ark.
Elliot, John Monet A.B. 1942, Stanford University	Calif.	Erickson, John Lenroot A.B. 1942, University of Arkansas	N.D. D.C.
Elliot, Louise Offedal A.B. 1939, Wellesley College	Md.	Erickson, Sylvia Marie	S.D.
Elliot, Mary Elizabeth	D.C.	Erickson, Betty	D.C.
Elliot, Robert Stanley	Ill.	Erickson, Beverly M.	D.C.
Elliot, Robert Stratman A.B. 1942, B.S. in E.E. 1943, Co- lumbia University	D.C.	Ernst, Edward Cranch	D.C.
Ellis, Esther Foote	D.C.	Etegun, Selma	N.Y.
Ellis, Jane D.	D.C.	Erwin, Dorothy Margaret	D.C.
Ellis, Louise Mayo A.B. 1927, Arkansas College	Ark.	Erwin, Eileen	D.C.
Ellis, Robert Emery	D.C.	Esau, Betty Jane	D.C.
Ellis, Ruth J.	D.C.	Eskin, Nancy Powell	D.C.
Ellison, Margaret Isabel	D.C.	Eslinger, Elizabeth Marie	D.C.
Elmore, Mary Alice	Va.	Esparolini, Luis Manuel	Wash.
Elmore, Winant Stubbs	Va.	Espadal, Birger Role A.B. 1941, University of Wash- ington	D.C.
Ells, Raymond Howard	Ohio	Espinosa, Angela Smelda	D.C.
Ellsworth, Homer Smith B.S. 1942, University of Arizona	D.C.	Espinosa, Mildred Adelaide	Md.
Ellwein, Rose Ellen	S.D.	Esser, Jane Ruth	N.C.
Elmendorf, Virginia Merle	D.C.	Essey, Albert John	
Elmqvist, Anne Marie A.B. 1942, University of Texas	Tex.		

Eubanks, Vera Ellen	Ala.	Farr, Helen Margaret	D.C.
Evanek, Madeline Marie	Pa.	Farr, Keith F.	Utah
Evans, Bruce Andrew	Idaho	A.B. 1944, University of Utah	
B.S. 1943, University of Idaho		Farrell, Eleanor M.	Mass.
Evans, Carolyn	Ala.	Farrell, John Clifford	D.C.
Evans, Elaine	Md.	A.B. 1939, University of Oregon	
Evans, Elaine Chittick	Pa.	Farrell, John Frederick	D.C.
Evans, Harold R.	Mch.	Farrell, Joseph Peter	D.C.
Evans, Harold Robert	Va.	Farrer, Lydia Ruth	Va.
Evans, Janet Stokes	Calif.	Faulkner, Joseph Goodson	D.C.
Evans, Ruth Jean	D.C.	B.S. in Com. 1941, University of	
Evans, Shirley Louise	D.C.	North Carolina	
Evasovich, John	Nev.	Fauteux, Blanche Diane	Va.
Eve, Christopher FitzSimon	S.C.	Fazzari, Frank Charles	D.C.
Eveland, Cathlon Hobbs	D.C.	Feady, Eugenia Phaelomena	D.C.
Everett, Gerald Waddell	Mass.	Featherstonhaugh, Marcia Jane	Md.
Everly, Margaret Waddell	D.C.	Feder, Esther	D.C.
Everingham, Carolyn Weaver	D.C.	Federa, Henry Appleton	Ky.
Ewen, Sally Lewis	D.C.	A.B. 1943, LL.B. 1947, University	
Ewen, William H.	Idaho	of Louisville	
B.S. 1943, The George Washington		Federmann, Patricia Holmes	Ind.
University		Fedotov, Anton N.	U.S.S.R.
Ewing, Florence Hamilton	Nebr.	M.E. 1931, Lomonosov Mechanical	
Ewing, Mary Gene	D.C.	Institute	
Ewy, Constance Margdalene	Minn.	Feener, Mildred Ruth	Mass.
A.B. 1941, The George Washington		Fegan, Lorraine Coyle	Md.
University		B.S. 1940, University of Maryland	
Eyster, Marguerite Butts	D.C.	Feigenson, Sydney Roberta	D.C.
F		Feller, Marie E.	Va.
Fabanick, Antoinette Marie	Md.	Feld, Gerald M.	D.C.
Fabius, William Deles	Ohio	Feldman, Dorothy Ida	D.C.
Fagan, Marion Kathleen	N.J.	Feldman, I. Ruth	D.C.
Fagan, Winley E.	D.C.	Feldman, Isaac	Va.
Fagin, Bertrand	D.C.	B.S. 1941, The George Washington	
Farella, Lawrence Belmont	N.Y.	University	
LL.B. 1926, LL.M. 1927, St. Law-		Feldman, John Joseph, Jr.	Pa.
ence University		Feldman, Rosetta	Md.
Fair, Blanche Charlotte	Va.	B.S. 1945, Johns Hopkins University	
Fair, Robert James	Ind.	A.M. 1940, The George Washington	
Fairbank, Thomas Paul	D.C.	University	
B.S. 1929, Loyola College		Feldman, Sadie B.	D.C.
LL.B. 1930, University of Baltimore		B.S. 1936, Johns Hopkins University	
Fairbanks, Bernard Russell	Va.	A.M. 1940, The George Washington	
Fairchild, Fannie Pauline	Miss.	University	
Fairfield, Virginia Anne Frances	Ill.	Feldman, Sydney	Pa.
A.B. 1937, University of Illinois		Fell, Marshall Howard	Md.
Faler, Elizabeth L.	Kans.	Felton, Barbara Belle	Ill.
Falk, Marie	Va.	Fend, Charles	D.C.
A.B. 1941, The George Washington		Feng, Ke-Hsin	D.C.
University		Fenn, Camille	N.J.
Falk, Sydney Westerwell	Conn.	Fenn, Dolores June	Calif.
Faltisek, Maxine Fern	Minn.	Fenniger, Mary Katherine	D.C.
Frankhauser, Robert Kingsley	R.I.	Fentiman, Donald Sidney	D.C.
B.S. 1941, Ohio University		Fenton, Richard Lee	D.C.
Fantone, Albert Baird	D.C.	Ferguson, Eleanor	Ill.
A.M. 1924, Cambridge University		Ferguson, Everard Blackmore	Va.
Fant, Jean Marr	Fla.	Ferguson, Stuart W.	D.C.
Farber, David J.	N.Y.	Ferrara, Anne Marie	D.C.
A.B. 1939, Brooklyn College		Ferrara, Grace Marie	Pa.
Farber, Evelyn Weiner	N.Y.	Ferree, Itha Henrietta	R.I.
Faris, Bess	D.C.	Ferrill, Grace Cecelia	Ohio
A.B. 1926, Baylor University		Ferris, Chalmer Williams	
A.M. 1939, Northwestern University		B.S. 1943, Mount Union College	
Faris, Harry Haskett	Ill.	Ferson, Gershon B.	D.C.
B.S. 1929, Northwestern University		Ph.B. 1943, University of Chicago	
M.B.A. 1931, Harvard University		A.M. 1941, Northwestern University	
LL.B. 1936, University of Illinois		Fetchers, James Vincent	D.C.
Faris, James Earl	Va.	Fetter, Mable Mildred	D.C.
Farley, Margaret D.	W.Va.	Field, Douglas Boxton	Va.
Farmer, Katherine Olive	Wis.	A.B. 1943, Dartmouth College	
Farmer, Norman Ray	Calif.	Field, Lynette E.	N.C.
Farnsworth, Helen Louise	N.Y.	Field, N. Hazel	Md.
		Fields, Peggy	N.Y.

Fife, Miriam Jean	D.C.	Fleming, Miriam Gertrude	N.D.
Figelman, Francis	N.Y.	Fleming, Phyllis M.	N.D.
B.S.S. 1929, College of the City of New York		Fleming, Rosemary Theres	D.C.
Filippine, Rose Angela	D.C.	Fletcher, Lloyd, Jr.	D.C.
Fillius, Dorothy Louise	D.C.	B.B.A. 1936, University of Texas	
Fillman, Gwendolyn Rosalie	Nebr.	J.D. 1930, The George Washington University	Pa.
Fillingier, Ruth Isabel	Va.	Flickinger, Ruth Lineda	D.C.
Finamore, Ardis W.	N.D.	Flickinger, Thomas William	D.C.
Finan, James Francis, Jr.	Ind.	Fling, Otis Russell	Mass.
Finch, Charles Atlee	Iowa	Flint, George March, Jr.	D.C.
Finch, Edward Ridley	N.Y.	A.B. 1940, Harvard University	
A.B. 1941, Princeton University		Flint, Lucille Brackett	Miss.
Fincher, Julian Alexander	D.C.	A.B. 1943, Goucher College	D.C.
Findlay, Jeanne Ruth	N.D.	Flohr, Ruth Elise	
Findlay, Mary Elizabeth	D.C.	Flood, Thomas Hayes	
Findlay, Ruth Lane	N.Y.	B.S. in Ed. 1935, State Teachers College (Buffalo)	N.C.
Fine, Helen Margaret	Tex.	Floyd, James Pleasant, Jr.	
Fink, Shirley M.	D.C.	A.B. 1939, University of North Carolina	N.Y.
Fink, William James	D.C.	Flyer, Gerald	
A.B. 1940, De Pauw University		B.S. 1940, New York University	N.Y.
Finletter, Margot Damrosch	Pa.	Flynn, Eleanor C.	
Finley, Catherine Marie		A.B. 1934, College of New Rochelle	D.C.
A.B. 1946, Mercordia College		Fochalis, Helen	D.C.
Finley, Maria Somerford	Va.	Fogarty, Charles Francis	Pa.
Firat, Cihat Fehmi	Turkey	Fogarty, Thomas Patrick	D.C.
Firestone, Alice Margaret	D.C.	Fogarty, Virginia Whissen	D.C.
Fisch, Eulaila Beverly	Minn.	Fogarty, William H.	N.C.
Fischer, Harry Carl	D.C.	Foll, John Locke	
Fischer, Nellie J.	Va.	B.S. in B.A. 1941, Catawba College	Pa.
Fischer, Walter	Va.	Folan, Rosa	
B.S. 1867, A.M. 1905, Ohio State University		B.S. 1900, West Virginia University	
Fish, Joyce Edith	Wis.	A.M. 1912, The George Washington University	Pa.
Fishe, Stephen S.	N.Y.	Foley, Eva Barbara	N.Y.
A.B. 1944, The George Washington University		Foley, Florence Peggy	D.C.
Fisher, Daniel H.	W.Va.	Foley, William Vance	
Fisher, Edward George, Jr.	D.C.	B.S. in E.E. 1943, Texas Technological College	Pa.
Fisher, Ethel Mae	Mass.	Folk, John William	Pa.
Fisher, H. Cochran	D.C.	Fonda, Donald A.	Va.
Fisher, Judith Marie	Wis.	Fondra, DuBass	Va.
Fisher, Ola Belle	Okla.	Fondra, Edward W.	N.Y.
Fiske, Johnnie	Va.	Ford, Abraham	
Fitz, Geraldine Marie	Md.	B.S. 1937, College of the City of New York	D.C.
A.B. 1929, Washington College		Foshe, Mary Frances	D.C.
Fitzgerald, James Vincent	Md.	Foster, Barbara Goven	D.C.
Fitzgerald, Maureen	Md.	Foster, Elizabeth Ann	D.C.
Fitzpatrick, Alice Ward	D.C.	Foster, Josephine	Tex.
Fitzpatrick, Hugh Michael	Pa.	Forbes, Sarah Elizabeth	Nebr.
Fitzpatrick, Margaret Cowie	Va.	Ford, Forrest Adams	
FitzSimmons, Mary Lewis	Va.	A.B. 1932, University of Minnesota	D.C.
Black, William Marshall	Tenn.	Ford, John Archie, Jr.	D.C.
Flaberty, Patrick Francis	N.Y.	Foreman, Darhl Lois	Idaho
M.E. 1924, Polytechnic Institute of Brooklyn		Foreman, John C.	Md.
I.L.B. 1929, St. Lawrence University		Foreman, Martha Mary	Pa.
Flaberty, William C.	Md.	B.S. 1918, St. Joseph's College	N.J.
A.B. 1940, Georgetown University		Foreman, Helen Janet	Mich.
Flanagan, Adelaide Courtney	Va.	Fernald, Theodore	
Flanagan, Patricia Douglas	Md.	Forrester, Robert Morris	D.C.
Flanke, Daisy Cecile	D.C.	B.S. 1931, Antioch College	Md.
Flannery, John P.	N.Y.	Forster, Elizabeth Catesby	
B.S. in Eng. 1949, Manhattan College		Forayth, E. Howard	
Flarity, Warren Howard	Mich.	A.B. 1945, Brigham Young University	
Flax, Grace Woodard	N.Y.	M.S. 1916, Iowa State College	
Fleischman, Beatrice	D.C.	Ph.D. 1940, University of Minnesota	D.C.
A.B. 1940, The George Washington University		Fort, Rose	D.C.
Fleischman, Ruth	D.C.	Fortune, Evelyn Mary	Ind.
Fleming, Ivan Loyola	N.J.	Fosler, Constance Louise	D.C.
Fleming, Julia Bernice	D.C.	Foster, Isabel Carrington	
Fleming, Mary Alice	N.J.		

Foster, Julius Elbio LL.B. 1921, Duquesne University	D.C.	Fried, Gregory David	N.Y.
Foster, Mary Beth	Ga.	Fried, Sylvia Jaffe	N.Y.
Foster, Ralph W.	D.C.	A.B. 1921, Cornell University	
Foster, Thomas Delos	Wis.	Friedman, Charlotte Pearl	D.C.
A.B. 1941, University of Wisconsin		Friedman, Gertrude	D.C.
Foster, William John	Md.	Friedman, Lenore Ruth	D.C.
Fowler, Delora Leone	D.C.	Friedman, Leo	N.Y.
Fowler, Mary	Pa.	B.S. 1941, The George Washington University	
LL.B. 1938, Washington College of Law		Friedman, Milton	D.C.
Fowler, Trudy Hathcote	Va.	M.D. 1929, The George Washington University	
Fox, Floyd Martin	Ohio	Friedman, Murray	N.Y.
Fox, Frances B.	Calif.	Friedrich, Fredrick Arthur	Ohio
B.E. 1941, University of California at Los Angeles		A.B. 1943, Youngstown College	
Fox, Harvey Irvin	Va.	Friend, Bertha	N.Y.
Foy, Katherine	Calif.	B.S. 1941, New York University	
Frales, Evelyn Geneva	N.C.	Friend, Norman Harold	N.Y.
Frampton, Hugh MacNash, Jr.	Md.	Frier, James Henly, Jr.	Mexico
Francis, Elmo Montgomery	D.C.	A.B. 1917, United States Military Academy	
Francis, Noel	Tex.	Frierson, Doris Agnes	S.C.
Frank, Charlotte Ruth	D.C.	Frinigo, Alfredo	D.C.
Frank, Jacob Louis	D.C.	Frost, George Edward	Ill.
B.S.I. 1942, Northwestern University		B.S. in E.E. 1940, Illinois Institute of Technology	
Frank, John H.	N.Y.	Frost, John D.	Iowa
B.E. 1946, Yale University		Fruchting, Helyn Kingsley	N.Y.
Frankie, Eileen Mercedes	Mich.	Fry, Eugene Nathan	D.C.
Frankovich, Louis Herbert	N.Y.	Frye, Julia May	D.C.
LL.B. 1941, Washington College of Law		Fulka, Elva L.	D.C.
Franklin, Mary Jo	D.C.	Fuller, Dorothy Esther	Md.
Frankowitz, Dorothy Veronica	N.Y.	Fuller, Douglas Raymond	Calif.
Fraser, Andrew, Jr.	Md.	A.B. 1928, M.B.A. 1930, Stanford University	
B.S. in M.E. 1924, St. Andrews University (Scotland)		Fuller, Enrique D.	D.C.
A.M. 1926, The George Washington University		Fuller, Terry Fred	Ill.
Fraser, Burton	N.Y.	A.B. 1926, University of Illinois	
A.B. 1939, B.M.E. 1942, New York University		M.B.A. 1931, New York University	
Fraser, Edwards Rafael	P.R.	LL.B. 1943, The George Washington University	
Frazier, Elizabeth June	Ohio	Fullman, Marvin Richard	Md.
Frazier, Donald Benjamin	D.C.	Fulton, Leonard Alvin	D.C.
A.B. 1943, The George Washington University		Fulton, Margaret Virginia	D.C.
Frazier, Doris Elizabeth	Ala.	Fultos, Joseph Carl	D.C.
Frazier, Esther S.	D.C.	Fundaburk, Emma Lila	Ala.
Frederick, G. William	Ind.	Fundaburk, Mary Douglass	Ala.
B.S. in E.E. 1940, Purdue University		Funk, Mary Loretta	D.C.
Fredericksen, Laura Ambler	N.Y.	Furbershaw, Olga Selma	Md.
A.B. 1919, University of Nevada		A.B. 1940, University of Maryland	
B.Litt. 1922, Columbia University		Furchgott, Ruth Elizabeth	D.C.
Freehall, Genevieve Elizabeth	D.C.	Furness, Leslie Angus	Md.
Freehafer, Marian Elizabeth	D.C.	Furniss, Vesta Fae	D.C.
A.B. 1940, The George Washington University			
Freeman, Alice K.	Md.	G	
Freeman, Lawrence Dudley	Mass.	Gabbe, Doris	D.C.
Freeman, Marian Virginia	Del.	Gabbert, Jesse Magee	Miss.
Freeman, Mary Eleanor	N.Y.	A.B. 1936, The George Washington University	
Freeman, Nellie Mae	D.C.	Gable, Richard Bennett	S.C.
B.S. in C.E. 1930, University of New Mexico	Va.	Gableman, Barbara	D.C.
French, John Martin	D.C.	Gabson, Frances Stella	N.Y.
B.S. 1941, Duke University		Gagnier, Blanche Françoise	D.C.
Freeman, Virginia Custis	D.C.	A.B. 1943, Villa Maria College	N.Y.
Frey, Lewis Leslie	D.C.	Gaines, Clement C.	D.C.
Friauf, Helen Cox	Va.	Gaines, William Stuart	W.Va.
		Gall, Ames Hamilton	Pa.
		Gallagher, Elizabeth G.	Pa.
		Gallagher, Mary Rita	
		A.B. 1942, Mercyhurst College for Women	
		Gallagher, Pauline E.	Mo.
		A.B. 1934, University of Kansas	

Gallagher, Vincent William	N.Y.	Gee, Edwin Austin	W.Va.
LL.B. 1936, Brooklyn Law School		B.S. 1941, The George Washington University	D.C.
Gallahan, Betty Jane	D.C.	Gee, George Leonard, Jr.	
Gallaher, Charles Alexander	Md.	A.B. 1943, The George Washington University	Ohio
Gallien, Edith Virginia	W.Va.	Gee, Agnes Adaline	D.C.
Galligan, Mary Elizabeth	Conn.	Geffers, Mary Jane	D.C.
Gallington, Ralph O.	Md.	Gegan, Veronica Joan	
B.S. 1931, Indiana State Teachers College		A.B. 1940, Loretto Heights College	W.Va.
A.M. 1937, Columbia University	Wyo.	Gehrke, Ruth E.	D.C.
Gallivan, Frank Murray		Geiger, Jason	
A.B. 1942, University of Wyoming		A.B. 1943, The George Washington University	Va.
Galt, Virginia Ward	Va.	Geiger, John H.	
Gammon, John Henry	Va.	A.B. 1928, The George Washington University	D.C.
Gander, Eleanor Ann	D.C.	Geiger, Ruth Sylvia	N.J.
Gannon, Harold Edward, Jr.	Va.	Geller, Gabrielle	D.C.
Gannon, Margaret Elizabeth	D.C.	Gemmell, John Donald	N.Y.
Gant, Bonnie Bess	Miss.	Gemunder, George Francis	Fla.
Ganzhorn, Ellen	Minn.	Geneau, Camille Marion	
Garber, Arlene Sara	Ind.	B.S. 1930, Florida State College for Women	D.C.
Garcia, Ann Marie	Wyo.	Generelly, Richard Fleury	N.Y.
Garcia, Dolores Filomena	D.C.	Genna, Joseph	D.C.
Garcia, William R.	D.C.	Gentile, Eda M.	Ky.
Gardner, Blanche Lamar	Ala.	Gentry, Robert Cecil	
Gardner, Gloria May	Va.	B.S. 1937, Murray State Teachers College	D.C.
Gardner, Marie Theresa	Va.	Genz, Louise	Md.
Gardner, Ronald MacGregor	Fla.	George, Aletha	Md.
Gardner, Wanita	Md.	George, Josephine	Pa.
Gardner, Walter Curtis	Mass.	George, Shirley Patricia	Md.
B.S. in E.E. 1942, Northeastern University		George, Thomas Waller	
Gareau, Rudolph	Mass.	A.B. 1941, University of Kansas City	Ill.
Garey, Helen Carroll	N.Y.	A.M. 1943, University of Illinois	Mass.
A.B. 1930, Syracuse University		George, William C.	
Garfield, Elwin Burris	Utah	Gerber, Margaret Antoinette	
Garfinkel, Joseph David	N.Y.	A.B. 1930, A.M. 1935, Wellesley College	I.C.
Garin, Kathryn D.	D.C.	Gerber, Rose	D.C.
Garlock, Katharine	Miss.	Gerhardt, Phyllis P.	
Garlock, Stanley J.	Mich.	B.S. 1939, University of Wisconsin	N.J.
B.S. 1943, Tri State College of Education		Gering, Joan	Va.
Garner, Edith Lillian	N.C.	Gesling, George Fernand	Ill.
Garner, June Marie	Tenn.	A.B. 1928, University of Wisconsin	Tex.
Garnett, Marian	D.C.	Gerrard, Elizabeth Jane	Mass.
Garrett, Lillian Elizabeth	Pa.	Gerrard, Eloise Evelyn	
Garrett, Marie Gertrude	Pa.	Gerson, Nathaniel Charles	D.C.
B.S. 1935, New York University		B.S. 1943, University of Puerto Rico	Md.
Garrett, Patricia Ann	D.C.	Gerstein, Shirley Lillian	D.C.
Garrison, Phyllis Ethel	D.C.	Gessford, Margery	D.C.
Garsten, Hilda	D.C.	Getman, Frances Jane	D.C.
Garth, Sarah Kaufman	N.J.	Gibbins, Diana Scott	D.C.
Garver, Lillian M. Gaye	D.C.	Gibbs, Andrew Harris	
Garver, Virginia Engel	Kans.	A.B. 1939, The George Washington University	Mo.
Garziglia, Roberto Reynaldo	D.C.	Gibbs, John Kenneth	Va.
Gasparovich, Josephine Anne	Iowa	Gibson, Gloria Gilda	Okla.
Gass, Edmund Cody	Tenn.	Gibson, Guy Morton	D.C.
A.B. 1927, Carson Newman College		Gibson, Ruth Ann	Kans.
A.M. 1911, University of Tennessee		Giesman, Melvin Milton	D.C.
Gass, Jane	D.C.	Gifford, Vale Wesley	Va.
Gastaldo, Joseph Frank	N.Y.	Giglio, Nancy Ida	D.C.
Gatchel, Mary Hoskins	D.C.	Gilbert, Audrey Michaux Raine	D.C.
A.B. 1932, The George Washington University		Gilbert, Donald Vernon	D.C.
Gates, Eleanor Williams	Calif.	Gilbert, Gertrude L.	W.Va.
Gates, Ruth E.	D.C.	Gilbert, Roger Vance	D.C.
Gavlio, Les Mary	Mass.	Gilbert, Stanley Ormand	N.Y.
Gaustad, Lucille	Mont.	Gildenhorn, Blanche	D.C.
Gavrisheff, Ellen	Colo.	Giles, Martha Leigh	D.C.
Gay, Helen	Mass.	Giles, Stella Mary	
A.B. 1940, Mount Holyoke College			
A.M. 1942, Mills College			
Geary, Francis Cole	Mass.		
Gecicz, Theodore Walter	D.C.		

Students Registered

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Gillford, Doris F. A.B. 1939, Hunter College A.M. 1940, Columbia University	N.Y.	Goldberg, Edna A.B. 1919, Brooklyn College	N.Y.
Gill, Woody Lee	Ark.	Goldberg, Franka Lote	D.C.
Gillespie, Helen Ruth	Va.	Goldberg, Harold	D.C.
Gillespie, Mary Abbie B.S. 1930, A.M. 1933, George Pea- body College for Teachers	Tenn.	Goldberg, Martin Herbert	D.C.
Gillespie, Mary Howard	D.C.	Goldberg, Paul	D.C.
Gillie, Milton Allen	Wash.	Goldberg, Stella	D.C.
Gilliland, Charlotte Jean	Ill.	Golden, James Lawrence	D.C.
Gilman, Dorothy	N.Y.	Goldenberg, Boris	D.C.
Gilman, William Henry A.B. 1932, Harvard University A.M. 1943, The George Washington University	D.C.	Goldschmidt, Sidney Sorrel A.B. 1942, The George Washington University	D.C.
Gilmore, Melva E.	D.C.	Golding, Cornelia Diana	D.C.
Gilroy, Frances Isabelle	D.C.	Goldman, Estelle	N.Y.
Gilstrap, Gloria Marie	D.C.	Goldman, Freda Korth	D.C.
Gilstrap, Thomas Clarence	D.C.	Goldman, Shirley Ruth	D.C.
Gimbel, Frank	Mo.	Goldschmidt, Geneva C.	Tenn.
Gingell, Vernon Ragan	N.Y.	Goldstein, Harold T.	Va.
Ginnette, Lucile M.	Va.	Goldstein, Marcia Henrietta	D.C.
Ginocchio, James	N.J.	Goldstein, Maxine	D.C.
Ginocchi, Joseph Martin	D.C.	Goldstein, Norman Philip	N.Y.
Gish, Helen Pauline	Utah	A.B. 1941, New York University A.M. 1943, The George Washington University	
Gitlan, Barbara Ann	Md.	Golkoska, Catherine Elizabeth	D.C.
Gittleton, Bernard	Va.	Golomb, Shirley Gladys	D.C.
Given, Eric	D.C.	Gomez, Carlos M.	P.R.
Glasband, Meryl King	D.C.	Gonda, Helen Suzanne	Pa.
Glasgow, Jane Pepper	Calif.	Gonder, Laurence Francis	D.C.
Glass, Mary Jane	N.C.	Gonsales, Rudolph Manuel	Calif.
Glazener, Fred Strayhorn	Wis.	A.B. 1942, University of California at Los Angeles	
Glazier, Anne Andrea	N.C.	Good, Harriett Norma	D.C.
Gleason, Kathleen Marie	Conn.	Goodart, E. Alene	Ill.
Gleason, Jeanne Lejeune	Mass.	Goodhart, Arnold Manning B.S. 1943, Wagner Memorial Luth- eran College	N.Y.
Glickman, Gladys A.B. 1939, Brooklyn College	Md. N.Y.	Goodhue, Doris Irene	Nebr.
Giddon, Reverdy Thomas	Tex.	Gooding, LeRoyne Brown	Pa.
Gimp, Fred L. Jr.	Idaho	Gooding, Margaret Edna	D.C.
Glock, Waldo Sumner	D.C.	Goodlet, Martha Minam	Ind.
Glockler, Ralph O.	D.C.	B.S. 1943, Butler University	
Gloss, Donald Lyons	Pa.	Goodman, Clifford James	Ariz.
Glover, James Coy	Ark.	Goodman, Elizabeth Josephine A.B. 1948, Henderson State Teachers College	Ark.
Glover, Sarah Elizabeth	Va.	Goodman, Rhoda Patsy	D.C.
Gluchowska, Jadwiga Joanna	D.C.	Goodman, Theda Coren	Okl.
Gnash, Stephen Jefferson	Va.	Goodridge, Richard Samuel	Md.
Gochuandtner, Anna	Germany	Goodwin, Eleanor Jean	Pa.
Gochman, Runnold Willford	Pa.	Goodwin, Kathleen Saint Jeanne	Md.
Goddard, Elaine Fern	Pa.	Goodwin, Lenore Gloria	D.C.
Godfrey, Agnes Mulvey B.S. 1917, A.M. 1938, Columbia University	Conn.	Good, Louise Stewart	D.C.
Godfrey, Raymond V. B.S. in Ed. 1935, New York State Teachers College	D.C.	Goodley, Irene Catherine	Conn.
Goding, Maurice Wilfred A.B. 1933, Yankton College	Alaska	Gordon, Austin R.	N.C.
Godwin, Lemeta	Del.	Gordon, David Stuart A.B. 1941, The George Washington University	D.C.
Goebel, Dorothy May	D.C.	Gordis, Edith Louise	D.C.
Goetz, Mary Calvin	Ohio	Gordis, Francine	D.C.
Goetze, Lillian Helmar	D.C.	Gordis, Julius Jesse	D.C.
Goff, Edgar Sheffield B.S. in M.E. 1941, Rhode Island State College	R.I.	Gordis, Margaret F.	D.C.
Goff, John Clifford	D.C.	Gordon, Ruth B.	Ark.
Gokey, Franklin Charles B.S. in M.E. 1941, Rensselaer Poly- technic Institute	R.I.	Gorman, Mary Louise	D.C.
Gold, Lillian	Wis.	Correll, Virginia Mae	Wyo.
Gold, Rose	Conn.	Gotschall, Gale Parkison L.L.B. 1941, Washington College of Law	Nebr.
Goldberg, Betty	N.Y.	Gottlieb, Sidney W.	N.Y.
Goldberg, Charlotte Rose	D.C.	Gottlieb, Sylvia B. A.B. 1942, Hunter College	N.Y.

Gough, Betty Catherine	Wis.	Greene, Patricia Ross	Va.
Gould, James	D.C.	Greene, Richard L.	Mo.
Gould, Martin	N.J.	Greene, Stella Anna	Pa.
LL.B. 1912, St. John's University		Greenfield, Ray Herbert	Pa.
Goumas, Nicholas Peter	D.C.	B.S. 1917, University of Maryland	
Graca, Charles Edward	Md.	Greenhouse, Bertram J.	Va.
Grady, Alice Wilson	Ga.	Greenman, Frank Pierce	Pa.
Grady, Florence Margaret	Pa.	Greenwald, Myron	
B.S. in Ed. 1918, Marywood College		B.S. 1919, College of the City of	
Grady, Margaret G.	D.C.	New York	D.C.
Grady, Norman Henry	D.C.	Greenwell, Robert Holmes	Pa.
Grady, Stafford Robert	Mich.	Gregory, Anna Katherine	Pa.
A.B. 1944, The George Washington		Gregory, Charles L.	Mo.
University		Gregy, Marjane	N.Y.
Graefe, Dorothy A.	Mo.	Grieg, Alne Cotton	Pa.
Graff, Marjory C.	Conn.	Grieg, John H.	
A.B. 1939, Hunter College		B.S. 1941, Cornell University	Va.
Grage, George Root	D.C.	Grenadier, Albert Harold	N.Y.
Graham, Betty Ann	Va.	Grenan, Marie Margaret	Va.
Graham, Edward Regia	Pa.	Griether, Ruth E.	Pa.
B.S. in Ed. 1940, Pennsylvania State		Grewer, Robert	Pa.
Teachers College		Grey, Alfred	Pa.
Graham, James D., Jr.	Mont.	Grey, John	Mo.
A.B. 1910, Carroll College		Griesemer, Edward Thomas	Pa.
J.D. 1942, The George Washington		Griffin, Florence M.	Pa.
University		Griffin, Kathleen Mary	Pa.
Graham, LeRoy Stoney	S.C.	Griffin, Madge C.	Pa.
Graham, Robert L., Jr.	N.C.	Griffin, Sarah	Pa.
A.B. 1930, University of North		Griffith, Janet Marjorie	Pa.
Carolina		Griffith, Muriel Hope	Pa.
LL.B. 1913, Harvard University		Griffith, Rubye Elizabeth	Pa.
Grahl, Elinor Josephine	Md.	Griffiths, Arthur Howell	Pa.
Graim, Richard Joseph	D.C.	Griffiths, Harriet Eleanor	Pa.
Grand, Stanley Irwin	Wis.	Griffiths, Mary Cevelia	Pa.
Ph.B. 1941, University of Wisconsin		Grig, Ida Josephine	Pa.
Granger, Clifford Robert	D.C.	Griggs, Armand L.	Pa.
Grant, Charles R.	D.C.	Griggs, Lorraine	Va.
Grant, Donald Henry	D.C.	Grigsby, Marianne	Pa.
Grantham, Joe Powell, Jr.	Va.	Gullo, Frances Joyner	Pa.
Graubard, Stephen Richards	D.C.	Grimes, David Domant	Mo.
Graus, Hyman	D.C.	Griwald, Estelle Trebert	Pa.
Graves, E. Boyd	Va.	Groat, Barbara Helen	Va.
A.B. 1912, A.M. 1935, College of		Grober, Doris Alma	
William and Mary		Grogan, Anne Josephine	
Graves, Loretta Anderson	D.C.	A.B. 1911, Manhattanville College	Va.
Graves, Richard Stebbins	Ohio	of the Sacred Heart	
A.B. 1940, Miami University		Grogan, Charles Henry	
Gray, Marian Faye	D.C.	B.S. 1940, The George Washington	Pa.
Gray, Robert Carola	Md.	University	
Gray, Verna V.	Wash.	Grombne, Isadore	Pa.
Grayson, Lorna	D.C.	LL.B. 1940, University of Buffalo	Pa.
Greaves, Harley, Jr.	Idaho	Grondu, Lorraine Marie	Pa.
Greaves, Howard Pendleton	Idaho	Grooms, Virginia Hartley	Pa.
B.S. in Phar 1942, University of		Gross, Isador	
Idaho		A.B. 1947, Brooklyn College	Va.
Grehenkemper, Clifford J.	Ohio	Grossie, Ida Louise	Pa.
Green, Clara Barbara	D.C.	Grosso, Fernando	Pa.
Greeder, Helen Marilyn	Minn.	Grobbs, Anne L.	Pa.
Green, Bernice Heloise	D.C.	Grobber, Zdenka Irene	Va.
Green, Janet Campbell	D.C.	Gronkstein, Nathan David	
Green, Leonard	D.C.	A.B. 1915, M.S. 1916, Ohio State	
Green, Lester Bertleson	Idaho	University	
B.S. 1910, University of Idaho		Ph.D. 1941, Syracuse University	Pa.
Green, Myra J.	Ohio	Greenwell, Margaret Mary	Pa.
Green, Nathan	Va.	Gubbins, Clara L.	Va.
Greenback, Richard Kelly	Va.	A.B. 1940, Knox College	N.Y.
Greenbaum, Stewart Marvin	D.C.	Gudmundson, Wayne Scott	Va.
Greenberg, Harold	N.Y.	Gudzon, Martin Gerald	Mo.
Greenberger, Helen G.	N.Y.	Guenette, J. Gerard	Va.
Greene, Jesse Lester	D.C.	Guerin, Grace	I.
Greene, Katherine Marguerite	D.C.	Gress, Mary Juanite	
Greene, Morris Alexander	D.C.	Grieggenheim, Melvin E.	
B.S. 1942, George Williams College		A.B. 1922, University of Michigan	

Students Registered

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Guichot, M. Joan	Calif.	Haley, Martha Ernestine	Va.
Guillet, Mary Harriet	D.C.	A.B. 1934, Emory and Henry College	
Guin, Margaret Elizabeth	D.C.	Haley, William Harris, Jr.	Ga.
Guiney, John Edward	Pa.	Haling, June Marie	Wis.
Gumther, Ralph Thomas	Va.	Hall, Angie Maxine	Tenn.
B.S.C. 1936, Temple University		Hall, Betty Carolyn	Md.
Gulick, Rennie Simpson	Md.	Hall, Blanche Ann	D.C.
Gulledge, Robert Earl	D.C.	Hall, E. Juanita	Ark.
Gulia, Carmel H.	D.C.	Hall, Hazel Marie	Okla.
B.S. 1942, University of Akron		Hall, Jack Robert	Nebr.
Gullikson, Paul Fox	Ill.	A.B. 1940, University of Nebraska	
Gullivan, Frank Murray	Wyo.	Hall, James Dulaney	Va.
A.B. 1942, University of Wyoming		Hall, Jonathan	D.C.
Gullo, Mary Blancher	N.Y.	A.B. 1935, Rollins College	
Gumbel, Barbara Denise	N.C.	A.M. 1938, Gallaudet College	
Gump, Hazel P.	N.C.	Hall, Mary Porter	Mass.
A.B. 1934, Woman's College of the		B.S. 1926, Salem College	
University of North Carolina		Hall, Nina S.	W.Va.
Gunning, John Emmett	Calif.	Hall, Phyllis Anne	D.C.
Gusack, Verna	D.C.	Hall, Rosine G.	W.Va.
Gusack, Virginia B.	D.C.	Hall, Sheldon Franklin	Va.
Guy, Robert Loughlen	D.C.	B.S. 1936, Virginia Polytechnic In-	
Gwaltney, Bernita Waye	Ind.	stitute	
B.S. 1937, Indiana University		Hall, William Darlington	D.C.
Gaslas, William James	Kans.	B.S. 1934, M.S. 1935, West Vir-	
A.B. 1942, University of Kansas.		gina University	
II		Hall, Wilson Luther	Ohio
Haar, Ann Frances		A.B. 1943, College of Wooster	
Haar, Fairfax	Va.	Hallock, Jane Phillips	N.J.
Haibb, Edward T.	Va.	A.B. 1941, Oberlin College	
B.S. in Ed., 1940, State Teachers	Pa.	Halluska, William J.	Pa.
College, Kittstown, Pa.		Hally, Muriel Virginia	D.C.
Hackett, David Powell	D.C.	Halpern, Gloria	D.C.
Hackett, Mabel J.	D.C.	Haley, Jean Louise	N.Y.
Hacker, Olive Lee	Okla.	Haltzman, Joseph	D.C.
Hackman, Mary Cook	D.C.	Ham, William Albert	Va.
Hackett, Beatrice Angela	D.C.	Hambidge, Deborah	Md.
Haddad, Adele Sylvia	Pa.	Hamblin, Barbara	D.C.
Haddock, Margaret Pratt	Va.	Hamblin, Helen Lois	D.C.
Haettenschwiler, Ame Julia	D.C.	Hamberger, Ada Minna	D.C.
Haffner, Gertrude Martha	Tex.	Hamberger, Margaret Stewart	Pa.
Haftstrom, Margaret	D.C.	Hamilton, Helen Cassandra	D.C.
Hagan, Ruth Kathleen	Calif.	Hamilton, Lennie Evelyn	Mass.
Hager, Gordon Vincent	Va.	Hamilton, Mary Elizabeth	Ala.
A.B. 1940, University of Nebraska		Hamilton, Paul Key	D.C.
M.B.A. 1931, Harvard University	N.Y.	Hamilton, Ruth Elizabeth	Maine
Haggerty, John James	Ohio	Hamilton, Shirley Ruth	Iowa
Hahn, Lewis Philip		Hamlet, Dellar Ruben	Wis.
B.S. 1936, Miami University		Hamlin, Edmund Tarr	
Hailey, Charles M.	Va.	Ph.B. 1926, University of Wisconsin	
Hamowitz, Beatrice	Pa.	Hamm, Norma Esther	Va.
Hains, Mary Jenkins	D.C.	Hammer, Kenneth Newton	Md.
Hayduk, Joseph John	Pa.	Hammer, Ruth Lund	Mch.
B.S. 1940, University of Scranton		Hammond, Elizabeth Anne	Va.
Haji, Sumiko	D.C.	Hampton, Clyde Robert	D.C.
Halak, Mary Jane	D.C.	Hampton, Jewel M.	D.C.
Halberstadt, Nathaniel Herbert	N.Y.	Hama, Harriet E.	N.Y.
Hale, David Jones	Va.	Hand, Anne	D.C.
B.S. 1928, Indiana State Teachers		Hand, George Melvin	D.C.
College		Handakus, Cornelia Joan	Pa.
Hale, Frances	N.Y.	Hander, Murray	N.Y.
Hale, Pauline Witty	Va.	Handy, Ellie Bruce	D.C.
Hale, Teresa V.	D.C.	A.B. 1940, The George Washington	
A.B. 1940, The George Washington		University	
University		Hanes, Betty R.	Ohio
Haley, Bernice Cooper	Mich.	Haney, F. Louise	Kans.
B.S. 1919, Michigan State College		Hardard, Ann Canole	Va.
of Agriculture and Applied Science		Harless, Ruth Fern	D.C.
Hales, John Thomas, Jr.	Ark.	Harless, Marie George	Md.
A.B. 1941, Agricultural and Mechan-		Harker, Mary M.	Minn.
ical College, Monticello, Ark.		Hart, Paul Joseph	D.C.
		Hart, Jane Edwards	D.C.
		Hartshorn, Janice Ray	Okla.

Hannemann, William C.	N.Y.	Harris, Laona Kay	Ohio
Hannen, Nancy Virginia	Md.	A.B. 1941, University of Cincinnati	
Hanrahan, Lillian Maier	D.C.	B.S. 1942, Columbia University	D.C.
Hanrahan, Margaret Anita	D.C.	Harris, Lesta Friedrich	Ill.
Hansel, Roger Elmer	D.C.	Harris, Margie June	D.C.
Hansen, Chris Regal	D.C.	Harris, Mark	Md.
B.S. 1941, Georgetown University		Harris, Mary Doris	
Hansen, June Lenore	D.C.	B.S. 1943, University of Maryland	D.C.
Hansen, M. Cecilia	Nebr.	Harris, Nancy Field	D.C.
Hansen, Margaret Caroline	D.C.	Harris, Rose	D.C.
Hansmann, Ralph Emil	N.Y.	Harris, Ruth C.	D.C.
A.B. 1940, Hamilton College		Harrison, C. Barry	D.C.
M.B.A. 1943, Harvard University		Harrison, Ferd Lawrence	D.C.
Hanson, Alfred Wilhelm	D.C.	Harrison, Gerald	
Hanson, Betty Ruth	N.Y.	A.B. 1947, A.M. 1938, Arizona State	
Hanson, Jean Webster	Md.	Teachers College	
Hanson, Katherine Lillian	D.C.	Ph.D. 1943, California Institute of	
Hanson, Lois Lillian	Nebr.	Technology	Ca.
Hanson, Lyle Eugene	Wis.	Harrison, Harold William	
Ph.B. 1942, Northland College		B.S. in E.E. 1945, Georgia School	
Hanson, Mars Wiggins	Va.	of Technology	D.C.
Ph.B. 1934, University of Chicago		Harrison, Isabel Allen	N.C.
Hanson, Robert Milton	Md.	Harrison, L. Jeanette	D.C.
Hanson, Roy Andrew	Maine	Harrison, Lewis Irving	
Harbour, James West	Md.	A.B. 1921, The George Washington	
Hardee, Hilda Patricia	Fla.	University	
Hardey, Rose Mary	Tex.	LL.B. 1924, Brooklyn Law School	N.Y.
Hardin, Mary Helen	Tenn.	Harrison, Mary Louise	Va.
A.B. 1943, Bryn Mawr College		Harrison, Nancy Byrd	D.C.
Harding, Dorothy M	D.C.	Harrison, Sarah Ann	D.C.
Hardy, Frank McNairy	Wash.	Harrison, Thomas Pilcher	Nebr.
Harkness, William Dalzell	Va.	Harrod, Betty Brown	
Harlan, Marjorie Elizabeth	Md.	A.B. 1915, A.M. 1940, Colorado	
Harley, Rose Madeline	Ark.	College of Education	D.C.
Harmon, Albert Lawrence	Maine	Harrod, Shirley Alice	
Harmon, Ernest Emery	Md.	A.B. 1942, University of Denver	Va.
Harmon, Gregory V.	N.Y.	Hart, Belle Oliver	N.C.
Harness, Charles Leonard	Tex.	Hart, Charles Arvel	
B.S. 1942, The George Washington		B.S. 1942, Wake Forest College	Va.
University		Harter, Vera Annabelle	N.Y.
Harness, Nell W.	Tex.	Hartley, E. Boykin	Ill.
A.B. 1937, Texas Christian Univer-		Hartley, Robert	
sity		B.S. 1937, Rhode Island State Uni-	
Harper, Catherine Talley	D.C.	versity	Fla.
Harper, Julie Houstoun	D.C.	Hartman, Doris Mae	Va.
Harper, Lucille V.	D.C.	Hartman, Margaret Virginia	
Harper, Stephen W.	Nebr.	A.B. 1924, The George Washington	
Harpster, Leatrice Joy	D.C.	University	D.C.
Harrell, Carita Louise	Ohio	Hartman, Verna L.	D.C.
Harrigan, Frederick John	N.H.	Hartnett, Miriam Elise	
A.B. 1942, Harvard University		A.B. 1937, Trinity College	
Harrington, Dayton M.	Iowa	A.M. 1939, Catholic University of	D.C.
B.S. 1939, University of Iowa		America	D.C.
LL.B. 1942, The George Washing-		Hartsock, Frederick Burgess	
ton University		Hartung, Elizabeth	
Harrington, Lyle Ernest	Iowa	A.B. 1937, The George Washington	S.C.
Harris, Barbara Beverly	Ill.	University	Pa.
Harris, Charles J.	Fla.	Harvey, Dorothy Lucille	
Harris, David Edwin	Calif.	Harvey, Earl Smith	
Harris, Elverta G.	D.C.	B.S. in Ed. 1939, Lock Haven State	Md.
Harris, Evelyn L.	D.C.	Teachers College	D.C.
A.B. 1941, Hunter College		Harvill, James Edward	Ind.
Harris, F. Lucille	D.C.	Hasbrouck, Richard Lester	Ind.
A.B. 1920, The George Washington		Hasinski, Angela Marie	Va.
University		Haskell, Norma Beatrice	Ill.
Harris, Grace Louise	D.C.	Haslam, Arlene Helen	D.C.
Harris, Hilda N.	Pa.	Hasmanon, Aurelia L.	
Harris, Irene Marie	Ind.	Hassell, Ann Clark	
B.S. 1911, Northwestern University		A.B. 1942, The George Washington	D.C.
Harris, James Robert	Va.	University	Calif.
Harris, Justyn Ler	D.C.	Hassett, Elizabeth Barron	D.C.
A.B. 1941, University of Wash-		Hassler, Roberta Joyce	
ington		Hastings, Delores Arlene	

Students Registered

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Hastings, Dorothy Louise B.S. 1943, State Teachers College, Oshkosh, Wis.	Wis.	Heinrich, Edwin P. Graduate 1928, University of Heidel- burg	D.C.
Hatch, Francis Joseph	Mont.	A.M. 1941, University of Maryland	D.C.
Hatch, Ruth S. A.B. 1928, University of Nebraska	D.C.	Heiss, Helen Elizabeth	Ohio
Hathfield, Norma Sherrod A.B. 1940, The George Washington University	D.C.	Heiser, Will Maynard A.B. 1938, Oberlin College	W.Va.
Hathcote, Martha Lunell	Va.	Heldreth, Eleanor Kathleen	D.C.
Haupt, David Carmer	D.C.	Heller, Glenn Gettius	Calif.
Hausel, Rower Elmer	Ky.	Heller, Milton Fred, Jr. A.B. 1930, Stanford University	D.C.
Hauseman, David Pegues	D.C.	M.B.A. 1941, Harvard University	D.C.
Havemeyer, Mary Sargent	Va.	Hellman, Arnold	D.C.
Hawes, James Edwin	Md.	Helm, Alton Hathaway	D.C.
Hawes, Mary Jean	Md.	Helm, Edna A.B. 1936, University of Kentucky	Ky.
Hawk, Richard Hart	Md.	Helm, James Thomas	D.C.
Hawkins, Ann Frederic	W.Va.	B.S. 1931, Mary Washington College	D.C.
Hawkins, Chief Fletcher	Va.	M.Ed. 1940, Drake University	D.C.
Hawkins, Martha Eleanor	N.Y.	Helm, Margaret Swann A.B. 1936, Emory and Henry College	Minn.
Hawley, Charles Burrage, Jr.	Md.	Helm, Ruth Ellen B.S. 1940, University of Minnesota	Mont.
Haydon, Ethel Selma	Vt.	Helmbrecht, Vernon Nelson	D.C.
Haydon, Everett Penn A.B. 1928, University of Louisville	D.C.	Helmke, B. P. Gill	Pa.
Hayes, James Albert	Ky.	Helsel, William Gordon B.S. 1932, Dickinson College	Md.
Haynes, Martha Frances	Va.	Heltbriddle, Mary F. B.S. 1927, Temple University	Miss.
Hayes, Norma Edith	Miss.	A.M. 1941, The George Washington University	Miss.
Hays, Freeman Cornelius B.S. 1941, University of Mississippi	Kans.	Hemba, Altan A.B. 1941, The George Washington University	D.C.
Hays, Richard Leland	D.C.	Hennerich, Mildred Ann	D.C.
Hayward, Charles Webster	D.C.	Henderson, Abraham B.S. 1939, College of the City of New York	D.C.
Hayward, Mildred	Kans.	Henderson, Elizabeth T.	D.C.
Hazen, Elda Marguerite	D.C.	Henderson, Helen Neel	D.C.
Hazur, Paul John	Idaho	Henderson, Jean Doris	Fla.
Headrick, Thomas W.	D.C.	Henderson, Lenevieve Lillian	Utah
Healey, Mary Bernadette	Conn.	Hendricks, Franklin D. B.S. 1939, Utah State Agricultural College	Ind.
Healy, Margaret L.	D.C.	Hendrix, Grace B.	Mo.
Hearn, Alva Tomlinson	Va.	Henegar, Harold H. B.S. 1936, State Teachers College, Springfield, Mo.	Iowa
Heat, Virginia Irby	D.C.	A.M. 1940, University of Missouri	D.C.
Heaton, Jane Frances	D.C.	Hennessy, Marian Onalese	D.C.
Hebb, Emma Lee	D.C.	Hennigan, Francis John	Oreg.
Hebbard, Russell Eugene A.B. 1931, University of Maryland	W.Va.	Henning, Charlotte L.	D.C.
Heberling, Emory Donald	D.C.	Henriksen, Essie Audrey A.B. 1929, University of Oregon	D.C.
Hebert, Lillian C. A.B. 1926, Oklahoma City University	D.C.	Henriksen, M. Lynn Conn. A.B. 1937, The George Washington University	D.C.
Hebert, Louise Aline	Canada	Henry, Carol Jean	D.C.
Hebrard, Geraldine	Calif.	Henry, Edith Kellag	D.C.
Hecht, Arthur A.B. 1942, The George Washington University	Wis.	Henry, Jack Wilcox, Jr.	Va.
Hecht, Moses Bernard	D.C.	Henry, Rhea Preston A.B. 1937, University of South Carolina	D.C.
Hedler, Karolina Johanna	D.C.	Henshaw, Edmund Lee, Jr.	Iowa
Hedner, Mary Ann	Pa.	Hensley, Dale I.	D.C.
Hedman, Thomas Alexander	D.C.	Hensley, Marjorie Ruth	Mass.
Hewlein, Crawford Clinton	Pa.	Henson, Margaret A.B. 1937, Smith College	
Hibon, I. Marie	Tex.	A.M. 1939, Wellesley College	
Hill, Sara C.	Ohio	Ph.D. 1942, New York University	
Him, Ariel Jane	D.C.		
Him, Marion Ruth	Ohio		
Himann, Jeanne Louise	Pa.		
Him, Marie Doris	D.C.		
Himdish Bernard	Pa.		
Himdl, Raymond August	D.C.		
Hime, Thomas Henry	D.C.		
Himeske, Mary M.	Mass.		
Hinemman, Mary Esther	W.Va.		
Heineman, Thelma Sally	W.Va.		
Heiner, George Edward A.B. 1942, Marshall College	W.Va.		

Hermach, Francis Lewis B.E.E. 1941, The George Washington University	Ill.	Hindman, Hettie Ruth Hines, Lenore Hines, William Albert Hinkson, Ruth A.B. 1932, Phillips University	Pa. Mo. Mo. Okla.
Herman, Sidney	D.C.	Hintze, Joy Elaine	Iowa
Hermann, Irene Margaret	Wis.	Hintze, Arthur	Ia.
Herold, Ann Carlton	Va.	Hinz, Laura Frances	Calif.
Herrington, Alberta Louise	W Va.	Hipskind, Donald F.	D.C.
Herrity, John Joseph	Md.	Hirakawa, Anna T.	N.M.
Herrold, Katherine M. B.S. 1935, North Dakota State Teachers College	Va.	Hird, Thelma Kirby	Va. Mo.
Herron, Paul Martin	D.C.	Hirsch, Arthur Ernest B.S. 1940, College of the City of New York	N.Y.
Hershbach, John Louis	D.C.	Hirsch, Chester L. A.B. 1941, Rutgers University	Pa.
Hershey, Russell M. L. B.S. 1938, New York University	Md.	A.M. 1942, Columbia University	Pa.
Hershfield, Olive V.	Ky.	Hirsch, Robert Bruce	Pa.
Herson, Helen Esther	D.C.	Hirsch, S. Siegfried	Pa.
Hertstein, Wilbur Sherman	D.C.	Hirschy, Ira Dwight M.D. 1931, University of Michigan	D.C.
Hertzborn, Philip Ingram	D.C.	Hitchcock, Audrey T.	Pa.
Heskin, Riva Jeanette	N.Y.	Hjelm, Ralph Oscar	Pa.
Hess, Charlotte Rebecca	D.C.	Hinshaw, John	Va.
Hess, Rita Rose	Pa.	Hoare, Frances Elizabeth	Va.
Hess, Walter Eugene A.B. 1924, Gettysburg College A.M. 1910, University of Wisconsin	Md.	Hobart, Keith Keller	Mo.
Hessing, Harold	N.Y.	Hobbs, Marian Stoneham	N.Y.
Hester, Betty Jane	Pa.	Hobelman, Charles George B.S. 1932, Rutgers University	D.C.
Hester, James Gordon A.B. 1936, Southwest Texas State Teachers College	Tex.	Hobson, Dorothy Ellen	Ia.
Hester, Virginia Katharine	Tex.	Hockfield, Robert B.S. in E.E. 1943, University of Illinois	D.C.
Hetherington, John Walter	Ill.	Hodge, Harry Morgan	Ill.
Hetsch, Jean	Ky.	Hodges, Malcolm Francis	Calif.
Hetzler, Alice M. B.S. 1942, Oklahoma Agricultural and Mechanical College	Okla.	Hodges, Robert M. A.B. 1943, University of California at Los Angeles	D.C.
Hetzler, Dale Fisel	Iowa	Hodgkins, George Wilson A.B. 1915, A.M. 1916, The George Washington University	N.Y.
Hewes, Laurence Hsley, Jr. B.S. 1924, Dartmouth College	Calif.	Hoersting, Norma Evelyn	Pa.
Hewgill, Paul John	D.C.	Hollenberg, Haskell L.	Pa.
Hewitt, Jean Marie	Tenn.	Hoffman, Carl Joseph B.S. 1942, Catholic University of America	D.C.
Hibben, R. Radford A.B. 1943, Dartmouth College	D.C.	Hoffman, Charles Eugene	Pa.
Hibbs, Max Edward	Iowa	Hoffman, Nell H.	Calif.
Hickey, William Vincent	D.C.	Hoffman, Richard Franklin	Tex.
Hickman, Garnet Geraldine	Ohio	Hoffman, Vera Viola	D.C.
Hicks, John Ridge	Ariz.	Hoffmann, Olga H.	Pa.
Hidalgo, Cornelio	D.C.	Hogan, Walter Thomas, Jr.	Pa.
Higa, Frank Shigeo	Fla.	Hozsett, Charles Gordon, Jr.	Mo.
Higgins, Helen	Va.	Hohle, Anna Bell	Va.
Higgs, Mary Margaret	D.C.	Holbrook, Helen Louise A.B. 1945, College of William and Mary	N.Y.
Hildebrand, Harriet	D.C.	Holcomb, Betty Jeanne	N.Y.
Hildebrand, Roy Jacob A.B. 1937, Bridgewater College	Va.	Holcomb, Dorothy Elvira	Pa.
Hildebrandt, Julia Eldridge	D.C.	Holcomb, Frederick Morse, Jr.	N.Y.
Hill, Ada Morgan	Md.	Holcomb, Marthella	Pa.
Hill, Albert B.	La.	Holcombe, William Collis	D.C.
Hill, Betty Ann	D.C.	Hollen, Marjorie Frances Ph. B. 1942, Denison University	Tenn.
Hill, Donna Marie	D.C.	B.S. in E. 1945, Ohio University	N.Y.
Hill, Edward Crane	D.C.	Hollen, Memmie Kathryn	Pa.
Hill, Martha T.	Pa.	Hollock, Marie Georgia	Pa.
Hill, Mary Martha	Wis.	Holland, Alice B.	Pa.
Hill, Robert LeRoy	D.C.	Holland, Barbara Ann	Pa.
Hill, Ruth C.	Okla.	Holland, Berd Josephine	Pa.
Hill, Stanley LeRoy	Md.	Holland, Evelyn Louise	Pa.
Hillemann, Florence Lorraine	N.Y.	Holland, Malvina Corliss	Pa.
Hilley, Mildred Louise	Ga.	Hollander, Bette Lane	Pa.
Hillman, Arnold	D.C.		
Hilton, Emma Catherine	D.C.		
Himmelfarb, Louis B.S. 1943, The George Washington University	D.C.		

Hollands, H. Louise A.B. 1941, Elmira College	D.C.	Horowitz, Sidney Harris	N.Y.
Holladay, Mary Caiista	Miss	Horres, Eugene Stratton	S.C.
Holtfield, Madge Sarah	N.C.	Horton, Harry Lee	D.C.
Holtzman, Margaret	Va.	Hosford, Mildred C.	Okl.
Holter, Betty Jane	D.C.	B.S. 1934, University of Oklahoma	
Holman, Margaret Anna	D.C.	Hosinski, Angela Marie	Ind.
Holloway, Bessie Thomson	Kans.	Hosley, Alice Louise	D.C.
Holloway, Doris Louise	D.C.	Hatchkiss, Mary Jane	Va.
Holloway, Harold Ray	Md.	Hotovy, Blanche	Nebr.
Holman, Elizabeth Jeanne	Va.	Houfek, Lyman Joseph	Wis.
Holman, Leon	Mo.	Ph. B. 1937, University of Wisconsin	
Holmes, Elizabeth May	Nebr.	M.B.A. 1938, Northwestern University	
Holmes, Grace Bruce	Md.	Houff, Lillian Janice	D.C.
B.S. 1919, University of Maryland		Hough, Herbert Jules	Ill.
M.S. 1922, Ph.D. 1925, The George Washington University		Hough, Mary Margaret	D.C.
Holmes, Isham Earl	Mo.	House, Dora Belle	Va.
Holmes, Joel Grant, Jr.	Pa.	B.S. 1942, West Virginia Wesleyan College	
Holmes, Lillian	N.Y.	M.S. 1943, University of Wisconsin	
Holmes, Rita Jane	D.C.	House, Margaret Virginia	D.C.
Holmes, Robert Benzler	Ohio	Houts, Richard Edward	Calif.
Holmeren, Harnet Evelyn	D.C.	Howard, Charles Stephen	N.Y.
Holmeren, Hazel Augusta	Minn.	Howard, Gordon E.	Ill.
Holst, Betty Jane	D.C.	A.B. 1934, University of Chicago	
B.S. 1940, Milwaukee State Teachers College		Howard, Hope Myrth	D.C.
Holt, Sherwood G.	N.Y.	Hammond, John B.	Mo.
B.M.E. 1941, Cornell University		Howard, Josephine Theo	Va.
Holt, Walter A.	Va.	Howard, Lois Love	N.C.
Holtzman, Joseph	D.C.	Howard, Quentin Eugene	Calif.
Holzer, Helen A.	Minn.	Howard, Raydeen Roland	Ga.
Homas, Mary Elizabeth	Pa.	Howard, Robert Thomas	D.C.
Homes, Joseph Myer	D.C.	A.B. 1943, The George Washington University	
Honaker, Mary Coffroath	Pa.	Howard, Rosslyn K.	Tex.
Honey, Rene Agatha	D.C.	Howdershell, Josephine Wayts	Va.
Hose, Robert Shih-Chang	D.C.	B.S. 1937, Mary Washington College	
Hooper, Olcott Lorin	Md.	Howell, Elizabeth Anne	D.C.
B.S. 1921, Massachusetts Institute of Technology		Howell, Louise Delano	Md.
Hoopes, Roy Harry	D.C.	Howell, Mary Virginia	Va.
Hoopingartner, Ann M.	Ill.	A.B. 1943, The George Washington University	
A.B. 1926, Indiana University		Howell, Montague	Ala.
Hoopaw, Vivianne Lucy	Va.	Howerton, Hugh King	D.C.
Hoover, Elizabeth Jeanne	Pa.	A.B. 1941, Northeast Missouri State Teachers College	
Hoover, George W., Jr.	D.C.	Hoyme, Lucile Eleanor	D.C.
A.B. 1941, The George Washington University		Huyl, Betty Minna	D.C.
Hoover, Mei Yuen	Pa.	Hoyt, Wilson Dow	Wash.
Hoover, Merle Vincent	D.C.	A.B. 1940, Stanford University	
A.B. 1941, Susquehanna University	Pa.	Habbarth, John Stanley	D.C.
Hoover, Samuel Adams	D.C.	Huber, John Yatenas	Pa.
Hopkins, Annalee	Va.	B.S. 1942, Yale University	
Hopkins, George Jerome	Va.	Hackett, John Wilford	Md.
Hopkins, Louise Birch	D.C.	Haddleton, James Edgar	D.C.
Hopkins, Mary Frances	D.C.	Haddleton, Mary Jane Inez	Va.
Hopkins, William Jesse	Md.	Haddleton, Shirley	D.C.
Hoppe, Mary	Wash.	Haffer, Nancy	Tex.
Horacek, Hubert Joseph	Nebr.	Haddell, James B.	Va.
Horeck, Elsie Maxine	Minn.	Hadson, Ann Lyle	D.C.
Horn, Mary Elizabeth	Ill.	Hadson, Elizabeth Herndon	Ill.
Horn, Ruth	Va.	A.B. 1941, Sweet Briar College	
Hornama, Mary Aprima	D.C.	Hadson, Ernestine Jane	D.C.
Horne, Boyd Ellison	Va.	Hadson, James Matthew	D.C.
Horne, Jane Frey	Md.	Hadson, Margaret Christine	Va.
Horne, Vivian Maxie	Iowa	Hadson, Richard Lee	Ind.
Horne, Margaret Poole	D.C.	A.B. 1942, Indiana University	
Hornstein, Helen	Nebr.	Hudson, Russell Jackson	Ky.
Hornstein, Shirley Mae	D.C.	Hadson, Sarah Margaret	Va.
Horowitz, Leon Salem	D.C.	Hager, Helen	Ill.
Horowitz, Morris I.	N.Y.	Hagman, William Francis	Pa.
B.S.S. 1937, College of the City of New York		Hagman, John F.	Md.
		Hughes, Mabelle Truitt	D.C.

Hughes, William Edward	D.C.	Ibanez, Anna Bodony	D.C.
Hughes, William Francis	D.C.	A.B. 1935, The George Washington University	N.Y.
Hughlett, Fleet Sydnur, Jr.	D.C.	Iberall, Arthur Saul	D.C.
Hullish, Harriett Virginia Folger	Va.	B.S. 1940, College of the City of New York	D.C.
Hullish, Jane Pennington	Va.	Iberg, Margaret	D.C.
Hume, Suzanne Lee	D.C.	Iddings, Lloyd Andrews	D.C.
Humes, Dollena Joy	N.Y.	Iglewis, Esther	D.C.
Hummer, Martha Jean	D.C.	Ihlder, Richard	N.D.
Humphrey, Georgia Mae	N.C.	Ike, Margaret Estella	D.C.
Humphrey, John Julian	D.C.	Imrey, Mary Edythe	Va.
Humphrey, Karen Everman	Va.	Inbody, Paul Franklin	Ill.
Hung, Ching Chong	China	Ingersoll, Gladys Harrison	N.Y.
A.B. 1927, San Diego State College		Ingoglia, Anthony Arthur	D.C.
A.M. 1920, Columbia University		Ingram, Frances Baker	D.C.
Hunt, Donley F.	Wis.	Ingram, Lois	D.C.
Hunt, Gladys Laura	D.C.	Interdonato, Paul Frank	D.C.
Hunt, Kermit Allan	Md.	Intrater, Rochelle	Md.
Hunt, Lillian Lee	D.C.	Irey, Robert Blair	D.C.
Hunt, Margaret Virginia	Mich.	Irish, Mary Alice	N.Y.
Hunt, Robert Clarence	D.C.	Irish, Robert Godwin	N.J.
B.S. 1942, Mount St. Mary's College		B.S. in A.E. 1940, Cornell University	
Hunter, Burnis Corinne	Calif.	Irons, Henry Raymond	
Hunter, Caroline Miscally	Ga.	B.S. in M.E. 1943, Rutgers University	D.C.
Hunter, Eldred Tait, Jr.	Oreg.	Irving, Dawn Louise	D.C.
Hunter, Florence Miller	D.C.	Isaac, Charles Martin	Pa.
Hunter, Frank Rhodes, Jr.	Va.	Isaac, Shirley	N.Y.
B.S. in Eng. 1939, The George Washington University		Isaacs, Frances Evelyn	D.C.
Hunter, Jean Evelyn	Conn.	Isaacs, Hayden Edward	N.J.
Hunter, Lloyd Thomas	N.C.	Isaacson, Russell Harold	N.Y.
Hunter, Mary Frances	N.C.	Isacs, Howard Edgar	
Hunter, Ruth		Iseman, Alice Stanley	Md.
A.B. 1910, East Carolina Teachers College		A.B. 1943, Bryn Mawr College	D.C.
A.M. 1937, Peabody College for Teachers		Iseman, Miriam R.	D.C.
Hurley, Ann Cornelia	D.C.	Iskowitz, Fred	D.C.
A.B. 1941, The George Washington University		A.B. 1930, Brooklyn College	D.C.
Hurley, Charles Warren	D.C.	Isley, Willa Maude	
Hurley, Dorothy Jane	Md.	Isreall, Nellie G. F.	D.C.
Hurst, Donald Andrew	D.C.	A.B. 1934, LL.B. 1938, University of Southern California	D.C.
Hurum, Margit Hildur	Canada	Isreall, Peter Roy	D.C.
Hurwitz, Ruth	N.Y.	Israelson, Judith Freda	
Hury, Julia	Conn.		
Huson, Amerst Edward	N.Y.		
B.S. 1910, Massachusetts Institute of Technology			
Hussar, Edward John	D.C.		
Husten, Benjamin F.	Va.		
Hutchins, Alma Eroll	Fla.		
Hutton, Iverson Lane	D.C.		
A.B. 1941, The George Washington University			
Hutton, Ruth Edell	Wash.		
Heat, Betty Minns	D.C.		
Hiwa, William Zoongha	D.C.		
B.S. 1940, M.S. 1941, Massachusetts Institute of Technology			
Hyatt, Elizabeth Louise	D.C.		
Hyde, Blanche M.	D.C.		
Hyde, Dean Low	Calif.		
A.B. 1910, Fresno State College			
Hyde, Mimi	D.C.		
Hylant, Emory Paul	D.C.		
Hyman, Irene	N.Y.		
Hyman, Waldo Henderson	S.C.		
Hymowitz, Helen	D.C.		
Hyssong, Helen Gloria	D.C.		
	I		
Iascone, Catherine Elena	D.C.		

Jahn, R. Lorraine	D.C.	Jewell, Sylvia Bernice	D.C.
James, Allene	D.C.	Jewett, Lucille M.	Minn.
James, Burton Reed	D.C.	Jewler, Dorothy	D.C.
A.B. 1941, Fresno State College		Jigarian, George Alishan	D.C.
James, Margaret Frances	D.C.	Jimenez, Fenobis Camprubi	D.C.
James, Raymond Walter	Va.	Joe, Louisa Anne Marie	Pa.
A.B. 1942, The George Washington University		Johan, Morton	D.C.
Jamieson, Elizabeth Cecelia	D.C.	A.B. 1943, The George Washington University	
A.B. 1928, The George Washington University		Johannes, Viola Irene	Va.
Jamison, Sam Wilson	Va.	Johansen, Fred William	D.C.
Jampalis, Beatrice Patricia	Va.	Johns, Harriet Anglyne	Va.
A.B. 1940, Marywood College		Johnson, Alina Wentworth	D.C.
Janes, Elizabeth J.	Md.	A.B. 1940, Goucher College	Va.
A.B. 1925, Concordia College		Johnson, Anna Mary	Va.
Janinek, Agnes Marie	Pa.	Johnson, Beverly	Md.
Jankowski, Leon	D.C.	Johnson, Bertrand Leroy	
A.B. 1942, Ohio State University		B.S. 1905, Massachusetts Institute of Technology	
Jansen, Louise Margaret	Minn.	Johnson, Charles Ray	W.Va.
A.B. 1933, B.S. in L.S. 1934, College of St. Catherine		Johnson, David Pierce	Ga.
A.M. in L.S. 1938, University of Michigan		Johnson, David Strand	D.C.
Janson, Lars Edward	Va.	Johnson, Donald Arthur	D.C.
Janus, Sidney	N.Y.	Johnson, Dorothy Lee	D.C.
B.S.S. 1933, College of the City of New York		B.S. 1940, Wilson Teachers College	Ind.
A.M. 1934, Columbia University		Johnson, Elizabeth Ann	D.C.
Jaracz, William Andrew	Mass.	Johnson, Elizabeth Robshaw	La.
Jarman, Burnice Herman	Va.	Johnson, Elsie Himel	D.C.
B.S. 1928, Pennsylvania State Teachers College		Johnson, Elsie Nora	
A.M. 1932, D.Ed. 1938, The George Washington University		B.S. 1936, Wilson Teachers College	D.C.
Jarrett, Margaret Leona	Minn.	Johnson, Eugene G.	D.C.
Jarrett, Mary Catharine	Pa.	Johnson, Flora Ellen	D.C.
A.B. 1938, Susquehanna University		Johnson, George Helmer	D.C.
Jarvis, Robert Burdette	W.Va.	Johnson, Gladys Marion	Minn.
Jarvis, Rodney Miller	Wash.	Johnson, Gordon Eugene	Md.
B.S. 1941, University of Washington		A.B. 1936, William Jewell College	D.C.
Jaspen, Nathan	D.C.	Johnson, Jessie Margaret	Tex.
B.S. 1942, College of the City of New York		Johnson, Joseph B.	
Jasper, William S.	Ohio	A.B. 1937, A.M. 1941, East Texas State Teachers College	
A.B. 1941, Ohio University		Johnson, Kathryn Preston	N.D.
Jefferson, William Douglas	Utah	Johnson, Lester Vincent	Va.
Jeffrey, Virginia Lee	D.C.	Johnson, Linwood Hill, Jr.	R.I.
Jeffries, LeRoy V.	D.C.	A.B. 1942, Brown University	Iowa
Jeffries, Virginia Lee	D.C.	Johnson, Malcolm Faust	D.C.
Jemison, Alice Lee	N.Y.	Johnson, Marie J.	Mass.
Jemison, Jeanne Marie	N.Y.	Johnson, Mary Porter	
Jenkins, Blanche LeOra	D.C.	B.S. 1926, Massachusetts State Teachers College	
A.B. 1934, A.M. 1940, University of Maryland		Johnson, Mary Ruth	Miss.
Jenkins, Elizabeth VanLeuren	D.C.	Johnson, Nelma Putnam	D.C.
Jenkins, Frances May	Mo.	B.S. 1940, Wilson Teachers College	
Jenkins, Jasper Kenneth	D.C.	Johnson, Norton Steele	D.C.
Jenkins, Jeannette Owen	Md.	Johnson, Roy Travis	Colo.
Jenkins, Lula Elizabeth	N.C.	Johnson, Ruth Vernon	D.C.
Jenkins, Margaret Matilda	N.C.	Johnson, Samuel Lyle	Utah
Jenks, Rosella	Ala.	Johnson, Thomas L., Jr.	D.C.
Jenner, Helen McCoy	Md.	Johnson, Virginia Dudley	Mass.
Jennings, Charles Wesley	N.C.	B.S. 1943, Simmons College	
Jennings, Eileen Estella	Ind.	Johnson, William Hezekiah	Va.
Jenson, Vera Eleanor	Wis.	Johnson, Wilma Joyce	Kans.
Jerman, Nellie M.	Mo.	Johnston, Fae Louise	D.C.
Jerome, Jean Bewkes	N.Y.	Johnston, J. Monte	Wash.
Jerrell, Gertrude Louise	D.C.	Johnston, Lyle Tesson, Jr.	N.Y.
Jett, William S.	Ky.	Johnston, Rose	D.C.
LL.B. 1936, University of Kentucky		Johnstone, Martha	D.C.
Jettmar, Gladys Ann	D.C.	Jolat, Pauline N.	D.C.
Jetton, Girard Revel, Jr.	D.C.	A.M. 1934, Columbia University	Md.
		Joliet, John Charles	D.C.
		Jones, Anne Alicia	D.C.
		Jones, Betty Rebecca	Wyo.
		Jones, Dan	D.C.
		Jones, Doris Jeanne	

Jones, Edgar Meredith	N.Y.	Kaprelian, Lucy Ainilian	Va.
Jones, Edna Muriel	Ohio	Karcher, Ernest Richard	Md.
Jones, Ellen McCullough	Va.	Karel, Arthur Edward	D.C.
Jones, Gloria Jane	Calif.	Karle, Betty June	Md.
Jones, Jean P.	Canada	Karlson, Erik Richard	Mass.
Jones, Jeannette Alice	Md.	B.S. 1933, Massachusetts State College	Va.
Jones, Lloyd Lee	Okla.	Karn, Annabelle Koontz	Md.
Jones, Margaret Ann	Va.	Karp, Jeannette	N.Y.
B.S. 1941, Mary Washington College		Karp, Mark	Conn.
Jones, Mary Agnes	W.Va.	Kaspe, Muriel Janet	N.Y.
Jones, Norma Geraldine	Md.	Karpovich, Eva Antonia	Conn.
Jones, Ralph D., Jr.	Md.	Karr, Philip R.	N.Y.
Jones, Tilford A.	Okla.	B.S. 1934, College of the City of	
Jones, Virginia Walton	Va.	New York	
Jones, Wilma Jean	Pa.	Karr, William I.	Md.
Jones, Winford Bland	Fla.	Karsted, Alfred	
Jordan, Edward	N.Y.	L.L.B. 1935, University of Montana	D.C.
Jorgensen, Thorvald W.	D.C.	Karsted, Jesse Walton	D.C.
A.B. 1935, University of Utah		Karsten, Karl	D.C.
M.B.A. 1937, New York University		Kartus, Beatrice June	
Jorgensen, Virginia Rogers	D.C.	A.B. 1944, The George Washington	
Joy, Barnard DeJean	Va.	University	
B.S. 1930, Oregon State College		Kary, Viola	W.Va.
A.M. 1934, University of Maryland		Kasham, Raymon P.	Conn.
Judd, Sally Frances	D.C.	Kassner, Julia A.	Md.
Judge, Leo F.	D.C.	Kashoff, M. Jean Arnold	N.Y.
Juinger, Helen E.	Ky.	Kashow, Clifford	D.C.
Junkin, Mary Denny	D.C.	Kasparek, Rosemary S.	Mass.
Justman, Miriam	N.J.	B.S. 1942, St. Cloud Teachers College	Pa.
Juvenal, Suzanne	Va.	Kaspryk, Emily Anne	Pa.
		Kass, Edward	N.Y.
		Kassalow, Sylvia Dicker	Conn.
		Kastris, John	N.Y.
		Katcher, Elsie	Md.
		Katcher, Ernest Richard	D.C.
		Katchmar, Ann	D.C.
		Katz, Harold William	D.C.
		A.B. 1938, Brooklyn College	
		Katz, Joseph P.	N.Y.
		A.B. 1939, College of the City of	
		New York	
		Katzen, Sally Rose	D.C.
		Kauffman, Joseph	Pa.
		Kauffman, Ruby Rose	Kans.
		Kauffman, Lillian	Va.
		Kauffman, Lynne Anderson	D.C.
		A.B. 1940, Nebraska Wesleyan Uni-	
		versity	
		Kaufman, Mildred	D.C.
		Kaufman, Milton	Va.
		B.S. 1932, M.S. 1933, College of	
		the City of New York	
		Kaufman, Miriam	D.C.
		B.S. 1941, Wilson Teachers College	D.C.
		Kaufman, Muriel Doris	Va.
		Kaufman, Paul	
		A.B. 1943, New York University	Pa.
		Kaufman, Seymour A.	
		A.B. 1939, Brooklyn College	Md.
		Kaw, Robert Myers	Tex.
		Kay, Helena Virginia	
		A.B. 1927, Southwest Texas Teacher	
		College	
		A.M. 1937, University of Texas	D.C.
		Kayama, Rosemary Ikuko	D.C.
		Keane, John Harper	
		A.B. 1944, The George Washington	
		University	
		Keane, Ruth Gray	Pa.
		Keating, Lloyd Albert	W.Va.
		Kellan, Sylvia	D.C.
		Kee, Frances	
		Keefe, John Hancock, Jr.	

Keeler, Ruth Lealie A.B. 1930, University of Maryland	Md.	Keplinger, Bernice Louise	Ohio
Keegan, Stafford Warwick		Kerley, Martha Louise	N.C.
Keegan, A.B. 1924, Dartmouth University	Md.	Kerlin, John Herbert	D.C.
LL.B. 1941, The George Washington University		Kern, Arthur	D.C.
Keel, Elmo Woodrow	D.C.	Kettus, Arlena Grace	W.Va.
Keeler, Marcelline Elizabeth	D.C.	Kerr, John Duncan	D.C.
Keene, Eleanor Lutesey	D.C.	B.S. 1937, Yale University	Md.
Keessing, Nora Lolly	D.C.	Kett, Subyl Perkins	Pa.
Keessing, Mona Jeanne	D.C.	Kershaw, John A.	Md.
Kelauer, Evelyn Olive	D.C.	Kessel, Albert Max	La.
Keil, Helen	Md.	Kessinger, James Bennett	Va.
Keil, Marie	D.C.	Kessler, Marcel Alice	D.C.
Kelcher, Claire Gerard	D.C.	Ketchum, Mildred Eleanor	D.C.
Kelleher, John Joseph	Mass.	Ketchum, Ross William	D.C.
Keller, Adelaide E.	D.C.	Ketner, Mary Rebecca	Iowa
B.S. 1938, Drexel Institute of Technology	Pa.	Kevan, Washfred Louis	Mass.
Keller, Elizabeth Beach	Va.	Keyes, Dorothy Foster	D.C.
B.S. 1940, University of Chicago		Keyes, George Herbert	Ala.
Keller, Godfrey	Va.	Keyton, Genie Agnes	S.D.
B.S. 1948, Swarthmore College		Kibler, Godfrey Lawrence	
Keller, Sam Mason	Va.	A.B. 1941, The George Washington University	W.Va.
Keller, William Frances		Kidd, Mary Betty	N.Y.
B.S. 1943, University of Maryland		Kidder, Charles Peter	Va.
Kelley, Eva Frances	Mass.	Kidwell, Alfred Spiller	Va.
Kelley, Floyd Carl	Wash.	Kidwell, Helen Rosane	Idaho
Kellinhaus, LaVerne Ruth	Calif.	Kidwell, Peggy Lou	Va.
Kellison, Rose	Wis.	Kielsmeier, Ann Butler	
Kelly, Catherine Marie	N.Y.	A.B. 1942, Limestone College	D.C.
Kelly, Dorothy Jeanne	D.C.	Kierman-Vass, Helen	
Kelly, Elizabeth Graham	Wash.	A.B. 1938, A.M. 1939, The George Washington University	D.C.
Kelly, Helen G.	D.C.	Kies, Marjion Wood	
Kelly, Margaret G.	N.Y.	B.S. 1936, University of Illinois	
B.S. 1941, The George Washington University	D.C.	A.M. 1948, The George Washington University	D.C.
Kelser, Barbara Estlin	D.C.	Kiess, Harriet Knudson	
A.B. 1921, Wellesley College		A.B. 1916, Northwestern University	Ga.
Kemellier, Robert Elias	N.Y.	Kilbuck, Gertrude Marie	Ga.
Kemp, Dorothy Bradford	Va.	Kilchise, Vannie M.	D.C.
Kemper, Lucille Hanson	Md.	Kinday, Alice M.	N.Y.
Kendall, Frank Herbert, Jr.	Md.	Kiley, Helene Marie	Va.
Kendall, James Robert	Va.	Kilgore, William Dock, Jr.	
Kendall, M. Christian	D.C.	A.B. 1941, Emory and Henry College	Okla.
Kendall, Margery Kellogg	D.C.	Killion, Richard Harvey	
Kendrick, Eileen	Va.	B.S. 1943, Oklahoma Agricultural and Mechanical College	Pa.
A.B. 1943, The George Washington University		Kilpatrick, George A.	Hawan
Kendrick, Frances Elizabeth	Va.	Kim, Pearl Sumooki	D.C.
Kendry, Genevieve C.	Fla.	Kimble, Seruch Titus	
A.B. 1936, Florida State College for Women		A.B. 1942, The George Washington University	D.C.
Kennedy, George Thomas	D.C.	Kimble, Etta	Ark.
Kennedy, Helen Elizabeth	Va.	Kimpel, Ernest Black, Jr.	
Kennedy, Mabel Louise	Va.	A.B. 1940, Arkansas Agricultural and Mechanical College	N.J.
A.B. 1927, The George Washington University		Kirnbach, Helen Elizabeth	Va.
Kennedy, Peggy Combs	D.C.	Kirscad, James Fawcett	D.C.
Kennedy, Richard Hobson	D.C.	Kisler, Edward Lewis	Ohio
Kennelly, Francis Xavier	D.C.	Kisstratten, Patricia Haley	Md.
Kennemer, Ray Victor, Jr.	Okla.	Kiss, Clarence Albert	D.C.
Kennig, John Alco	Pa.	Kiss, Donald Donaton	Md.
Kent, Audrey Yaden	Ky.	Kiss, Dorothy Quante	Va.
A.B. 1948, A.M. 1940, The George Washington University		Kiss, Elizabeth	D.C.
Kenworthy, Carroll	D.C.	Kiss, Francis Nelson	Calif.
A.B. 1925, Earlham College		Kiss, Fred Wesley	D.C.
A.M. 1927, Columbia University	D.C.	Kiss, Harriet Elizabeth	Maine
Kenyon, Kenneth	D.C.	Kiss, Marian F.	D.C.
A.B. 1944, The George Washington University		Kiss, Marion Love	D.C.
		Kiss, Patsy Ann	D.C.
		Kiss, Reta Marie	D.C.
		A.B. 1925, West Virginia Wesleyan College	

King, Royal C.	D.C.	Klockow, Elinor Ramola	Wa.
Kingman, Allen Frederick, Jr.	D.C.	Klockow, Winnifred Ann	Wa.
Kinmond, Dorothy Leona	Maine	Klopfenstein, Karl Henry	D.C.
Kinnear, Kenneth Edward	D.C.	A.B. 1943, University of Washington	Me.
B.S. 1941, Montana State College		Kloss, Merne Williams	Neb.
Kinsel, Lois Thelma	D.C.	A.B. 1929 Pennsylvania State College	
Kinsley, Wynn Chad	D.C.	Kloth, Gilbert Frank	
Kipp, Mary Elizabeth	Minn.	LL.B. 1940, A.B. 1943, The George Washington University	Pa.
A.B. 1941, Hamline University		Klotzbaugh, George Albert	
Kiracofe, Arthur Hiram	Md.	B.S. in E.E. 1941, Carnegie Institute of Technology	Md.
A.B. 1943, Franklin and Marshall College		Kloze, Ida Iris	D.C.
Kiracofe, Mildred Virginia	D.C.	LL.B. 1936, University of Maryland	
A.B. 1941, Shepard College		Klyce, Dorothy	
Kirby, James Wardlaw	S.C.	A.B. 1943, The George Washington University	Calif.
Kirchner, Francis Carlisle	Md.	Knadler, George Washington	Kans.
Kirchoff, Francis Donald	D.C.	Knight, Alfred Bishop	
Kirk, Donald Angus	Utah	A.B. 1941, Washburn College	D.C.
A.B. 1940, University of Utah		Knight, Gladys Tompkins	Fla.
Kirkpatrick, Betty Jean	Iowa	Knight, Robert Whitney	D.C.
Kirkpatrick, Mary Jane	Iowa	Knighton, Betty Jane	Me.
Kirkpatrick, Nellie Marion	Md.	Knights, Alice F.	D.C.
Kirsch, Lucile Doris	D.C.	Knispel, Ruth Agnes	D.C.
Kirsch, Anne	D.C.	Knock, Phyllis	D.C.
Kiesel, Irene Constance	Mass.	Knocky, Catherine Ann	
A.B. 1943, Mount Holyoke College		A.B. 1939, American University	D.C.
Kissick, Harold G.	Miss.	Knopp, Arthur Maxwell	D.C.
LL.B. 1934, Washington College of Law		Knuet, Imogene	D.C.
Kitchen, Sara Jane	D.C.	Knott, Barbara Elizabeth	Ala.
Kitt, Alice	N.Y.	Knox, Cornelia Eugenia	N.D.
Kitts, Susanna Burlingame	D.C.	Knox, Luellyn Mae	
Kiustler, Esther Ruth	Ohio	A.B. 1943, The George Washington University	D.C.
Klaase, James Mason	Md.	Knox, Mary Antoinette	Va.
B.S. 1943, The George Washington University		A.B. 1927, Winthrop College	D.C.
Klaase, Robert Allen	D.C.	Knox, Patricia Jane	D.C.
Klatchka, Marguerite Rose	Mass.	Knox, Robert O.	D.C.
Klate, Adele G.	Va.	Knuppel, John H.	Me.
Klavan, Stanley	D.C.	Koback, John Merriam	Wa.
Klebanoff, Philip Samuel	N.Y.	Koby, Lois Mae	Me.
A.B. 1939, Brooklyn College		Koch, Helen Norma	Mass.
Klebe, Albert Edward	W.Va.	Kosladek, Dorothy Grace	D.C.
Klees, Betty Jane	Va.	Koen, Martin M.	
Kleger, Nina A.	Ohio	A.B. 1943, New York University	D.C.
Kleh, Jack	D.C.	Koen, Mary Lee	D.C.
A.B. 1943, The George Washington University		Koenig, Eleanor Carroll	D.C.
Klein, Alfred Kenneth	D.C.	Koepf, Colquitt Newell	
B.S. 1939, St. Louis University		A.B. 1908, B.S. 1909, University of Missouri	N.I.
Klein, Armin E.	N.Y.	A.M. 1913, University of Wisconsin	
Klein, Franklin, Jr.	N.Y.	Koester, Richard Henry	
A.B. 1938, Park College		B.S. 1941, Newark College of Eng.	D.C.
Elein, John Sharpless	N.Y.	Kogod, Marvin	Me.
B.S. 1943, Haverford College		Kogan, David	N.I.
Klein, Shirley Lynett	D.C.	Kohl, Arthur Louis	D.C.
Kleiner, Richard Isaac	D.C.	Kohl, Francis V.	Pa.
B.M.E. 1943, New York University		Kohler, Francis Leroy	Md.
Klemperer, Leah	Mass.	Kohn, Bernard	Mass.
Kletchko, Marguerite Rose	D.C.	Kohn, Claire P.	D.C.
LL.B. 1943, The George Washington University		Kolker, Joseph	
Kline, Catherine Elizabeth	Va.	A.B. 1942, The George Washington University	Pa.
Kline, Deppen	N.Y.	Kulze, Vernon William	
B.S. 1944, Pennsylvania State College		B.S. 1941, Western Reserve University	N.Y.
Kline, Norman F.	Va.	Kumborg, Albert	Ill.
Kline, Thomas K.	Ill.	Kumlenich, Gertrude	N.I.
A.B. 1941, Illinois College		Kummer, Marcello	Mass.
M.S. 1938, Massachusetts State College		Kunkle, Gerald Marvin	Hawaii
A.M. 1941, Gallaudet College		Kono, Shizue	
Kline, William Howard John	Pa.		
B.S. 1938, Pennsylvania State College			
Klippel, Mary Jane	Colo.		

Kopp, Robert	N.Y.	Kull, Raymond Christian	D.C.
A.B. 1940, Brooklyn College		Kump, Jack Maurice	D.C.
Koppel, Heti Lore	D.C.	Kurland, Walter	D.C.
Koppalaky, Jean Luise	D.C.	B.S. 1942, The George Washington	
Korenbaum, Myrtle	R.I.	University	Ill.
Kornberg, Albert	N.Y.	Kuse, Helen Elizabeth	D.C.
Koski, Gertrude Robbin	Minn.	Kushman, Leaton John	
Koteen, Bernard A.	D.C.	B.S. 1939, M.S. 1942, The George	
B.S. 1934, University of Pennsylvania		Washington University	D.C.
Kotz, Leonard	D.C.	Kwei, Chao Ting	D.C.
Kounel, Aristotle Constantine	D.C.	Kyle, Catherine Patricia	D.C.
Koutsandreas, Peter D.	D.C.	Kyle, Hugh C.	D.C.
Kovach, Coleman William	Pa.	Kyle, Jimmie Watkins	D.C.
Koval, John Joseph	D.C.	A.B. 1942, Wellesley College	D.C.
Koval, Margaret Mary	Pa.	Kyle, May Talbert	
Kovick, Helen Jane	D.C.	A.B. 1941, University of Maryland	
Kovner, Alice	N.Y.	L	
A.B. 1942, Hunter College		LaCasse, Miriam Naomi	Pa.
Kowalewski, Edward Joseph	Md.	Lacey, Helen R.	Ill.
Koylan, Sadi	Turkey	A.B. 1936, University of South Dakota	
Kozak, John Wayne	N.D.	Lacey, Louis Paul	D.C.
Kozinski, Stephen	Pa.	Lackey, Mary Dexter	Md.
Kraeger, Esther S.	Minn.	LaCompte, Irene	Kans.
Kraft, Catherine Elizabeth	D.C.	Lacy, Katie Lou	Miss.
B.S. 1943, University of Maryland		Ladd, Mary Lee	Ind.
Kraft, Margot Regina	D.C.	Ladd, Robert Boyd	Md.
Krahling, Allie Christine	D.C.	A.B. 1935, Texas College of Arts	
Kramer, Emerald H.	Minn.	and Industries	
Kraskin, Bette Miller	D.C.	Ladner, John	Okla.
Kraus, Dorothy Marie	Ill.	L.L.B. 1921, University of Chicago	Va.
Kraus, Milton	N.Y.	Lafayette, Norman W.	D.C.
B.S. 1941, College of the City of		Lager, Karen G.	D.C.
New York		Lagerwey, Sophia	Tex.
Krause, Carol Helen	D.C.	LaGow, Herman Edward	
Krausz, Betty	D.C.	A.B. 1943, Baylor University	
Krebs, Hildagardis Balch	Fla.	Lahna, Adolph A.	Ohio
Kreibiel, Mary Lou	Ohio	Lakelish, Jack Phillip	Oreg.
Kreiner, Alice W.	Pa.	LaMaccia, Frank Richard	N.Y.
Kreis, Louis Mae	N.D.	Lamb, John James	Pa.
Kreisberg, Barrett Gerald	N.Y.	Lambas, Anna Gloria	D.C.
Kresselman, Mariam	D.C.	Lamberson, Helen Jane	D.C.
Krempin, Mamye Augusta	Tex.	Lambert, Frank Lincoln	D.C.
Krienzel, Julia Barbara	Pa.	Lambert, Margaret Lucille	Va.
Kriesley, Clement D. J.	Md.	Lamberton, Berenice Griesen	D.C.
Kreitl, Mary Maudalein	Wis.	B.S. 1927, Rhode Island State College	
Krey, Isabella B.	D.C.	A.M. 1930, Brown University	Md.
A.B. 1925, A.M. 1934, The George		Lamm, Charlotte Armide	Md.
Washington University	Wis.	Lamore, Estelle Roxie	D.C.
Krieg, Joyce Mary	Md.	Lancaster, Delores Almore	D.C.
Kriazen, Igor Alexis	Va.	Landon, Shirley Florence	Wis.
Krieger, Eleanor Louise	Ill.	Landegast, Lane Millicent	Fla.
Krieguer, Frances E.	Ill.	Landers, Evelyn Hix	D.C.
Kriesberg, Martin	Ill.	Landsis, Mary Drviden	
B.S. 1940, Northwestern University		A.B. 1936, Bellhaven College	N.Y.
Krocak, Ella	Minn.	Landa, Lester	
Kroeger, Esther S. A.	Minn.	B.S. 1942, University of Michigan	
Krone, Martha Louise	Kans.	Lane, Audrey	N.Y.
Kronstadt, Arnold Mayo	D.C.	Lane, George Franklin	Pa.
Kronstadt, Ruth Anita	D.C.	Lane, Irving Watkins, Jr.	D.C.
A.B. 1940, Brooklyn College		Lane, Margaret Lane	D.C.
Krop, Louis	Pa.	Lane, Mary Eleanor	D.C.
Krost, Ruth Cotten	D.C.	Lane, Ruth Boston	D.C.
Kruer, Norman Leland	Iowa	A.B. 1916, Athens College for Young	
Kruer, George	D.C.	Women	
Krupp, Sarah Ruth	Ill.	A.M. 1920, Washington University	Va.
Kruppaw, Barbara Lee	D.C.	Laue, Walter Harold	
Kuzek, Florence Dolores	Pa.	A.B. 1943, The George Washington	
Kuzek, Ernest Frank	Neb.	University	
Kuderny, Charles Jerome	Ill.	Lauey, Arthur R., Jr.	D.C.
Kudlick, Robert Ayer	D.C.	Lambson, Jerome David	N.Y.
Kueny, Charles Frances	Md.	Lauey, Anne Watson	D.C.
Kueny, Elizabeth	Md.	Lange, Dorothy Koch	Va.
Kulish, Martin William	Pa.		

Langenberg, Bernadine Mary	Va.	Laws, Grace Wanda	D.C.
Langendoen, John Milton	N.J.	Laws, Nancy Lee	Md.
Langer, Lydia Cady	N.D.	Lawson, Marvin R.	D.C.
A.B. 1942, Sarah Lawrence College		Laxton, Jean Hodge	D.C.
Langer, Mary Erskine	D.C.	Laybourne, Phyllis Jane	Va.
Langford, Frances Lowrie	D.C.	Laybourne, W. Lee	Pa.
Ph.B. 1931, University of Chicago		Layland, Eunice Driscoll	Tenn.
Ph.D. 1938, University of Vienna		Layne, Aaron Alvis, Jr.	
Langford, George Frank	Mich.	A.B. 1943, The George Washington University	
LL.B. 1933, The George Washington University		Layne, Della Virginia	D.C.
Langhafer, Joel Henry	Kans.	Layne, Ruth Lee	Va.
Langton, Bernard B.	N.J.	Lazenby, Ila Frieda	
B.S. 1910, Massachusetts Institute of Technology		Lazo, Constance Lorenza	W.Va.
Lanier, Blanche	Miss.	Leach, Alfred Clyde	Md.
Lansdale, Mary Louise	D.C.	Leach, Harry King	D.S.
Lanthier, Armand Alcide	D.C.	Leahey, Thomas Francis	D.C.
Lantz, Andrew	N.D.	Leberman, Lois Elizabeth	D.C.
Lapitsky, Mary	Pa.	Lebkicher, John Van Reed	Ind.
Laporte, Lucile	D.C.	Leckrone, Donald Newton	Tenn.
Lapp, Jean	Va.	LeClain, Marie Jennette	D.C.
Laprade, Marguerite Georgette	Mass.	LeCompte, Joseph Benjamin, Jr.	
A.B. 1943, Massachusetts State College		LeCraw, Lydia Adrian	
Larin, Edward Vladimir	D.C.	A.B. 1916, University of California	Miss.
Larkin, Constance Miriam	Md.	Ledbetter, John Marcus, Jr.	Mass.
Larkin, Elizabeth B.	D.C.	Ledbetter, Julia Elizabeth	Neb.
Larkin, Thomas Dillard	Md.	Lederer, John K.	
LaRocca, Marie Barbara	D.C.	LeDoux, Lydia Louise	Pa.
Larrazolo, Mildred Tisdale	D.C.	Lee, Agnes	D.C.
Larrick, Dorothy M.	D.C.	Lee, Alice	Pa.
Larsack, Mary Lois	D.C.	Lee, Bernice Marie	
Larsgaard, Olga Anna	N.D.	Lee, Chi Yuan	Ind.
Larson, Barbara Ann	Minn.	Lee, Flavia Ann	Mass.
Larson, Donald Oakes	Pa.	Lee, Frances Merrick	N.J.
B.S. 1942, Pennsylvania State College		Lee, Joseph P.	Va.
Larson, Helen Margaret	Nebr.	Lee, Katherine Elizabeth	D.C.
A.B. 1939, Nebraska State Teachers College		Lee, Lillian	D.C.
Larson, Margaret	Pa.	Lee, Lloyd Wilson	Ohio
Larson, Patricia Joyce	Minn.	Lee, Marian Wilkinson	D.C.
Larson, Roy E.	D.C.	Lee, Marion	D.C.
Larason, Alcott Joseph	Mass.	Lee, Mary	D.C.
A.B. 1942, Boston University		Lee, Miriam Lubitow	N.C.
LaRue, Mary Strickler	Md.	Lee, Rachel	
Lasher, Dorothy	Va.	A.B. 1928, East Carolina Teachers College	D.C.
A.B. 1933, Brooklyn College		Lee, Shui Lam	Pa.
A.M. 1935, Columbia University		Lee, Wilbur Bryan	D.C.
Lusky, Miriam Rival	Minn.	Leef, Albert Everett	D.C.
Lathrop, Richard Payneer	Md.	Leenov, Daniel	
Lattimer, Mary Lane	Md.	B.S. 1943, The George Washington University	Vt.
Latta, Helen Kincaid	D.C.	Lefebvre, Martha Marie	Calif.
Latta, Mildred Mae	N.C.	Leff, David N.	N.Y.
Latter, Richard	Calif.	Lefkowitz, David Irving	
Lay, Louis Edward	D.C.	B.S.S. 1939, College of the City of New York	N.Y.
Laubach, Louis Frederica	Pa.	Lelsky, Sidney	D.C.
A.B. 1918, Moravian College		Legeraki, Elizabeth	D.C.
Laubgross, Marvin	N.Y.	Lehrer, Alexander	
Lauck, Ellen E.	D.C.	B.E.E. 1918, Cooper Union	N.Y.
Lauter, Florence Schott	D.C.	Lehrer, Leah	
B.S. 1917, Northwestern University		B.S. 1941, New York University	D.C.
M.S. 1922, University of Chicago		Lehrer, Saul	
Lauter, John William	D.C.	B.S. in M.E., Worcester Polytechnic Institute	Pa.
Lavine, Irvin Arthur	D.C.	Lehrman, Iva Sara	D.C.
Law, Elizabeth S.	Utah	Lehtinen, Oliver Wilgo	D.C.
B.S. 1922, Utah State College		Leibson, Ethel G.	D.C.
A.M. 1935, The George Washington University		Leiner, Betty Jane	Md.
Lawler, Mary Brown	D.C.	Lekson, Bernice Miriam	Mont.
Lawrence, Henry Richard	N.J.	Lemke, Richard Walter	
Lawrence, Nancy J.	D.C.	B.S. 1920, The George Washington University	
Lawrence, William Harvey	Ohio		
Laws, Dorothy B.	Ark.		

Students Registered

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Lemmon, Norma A.B. 1931, University of California	Calif.	Lewis, Helen Kathryn Lewis, Hyman Leon A.B. 1933, The George Washington University	Va. D.C.
LeMoine, Grace Alice A.M. 1931, University of Maine	D.C.	Lewis, Joseph Stanley Lewis, Marion	Va. D.C.
Leitch, David Rino Leitz, Harry Arthur	D.C.	Lewis, Mervin Leo Lewis, Patricia Elaine	D.C. Md.
Lee, Katherine Christine Leon, Helen A.	Mass. Ohio	Lewis, Percival Ashby, Jr. Lewis, Ralph Selden	Va. Pa.
B.F.A. 1945, Miami University		B.S. 1942, University of Michigan	
Leonard, Elfriede Justine	D.C.	Lewis, Ruth Louise	D.C.
Leonard, Fred B.	D.C.	Lewis, Sally Lynne	D.C.
Leonard, Norman A.	Kans.	Lewis, Seth	D.C.
Leonard, Robert Sterling A.B. 1939, The George Washington University	D.C.	A.B. 1940, The George Washington University	
A.M. 1931, Harvard University		Lexton, Mabel Harriett	Conn. D.C.
Leppach, Helen Maria	D.C.	Ley, Jane Lois	
Lepper, Bessie A. A.B. 1940, Oberlin College	Ill.	B.S. in Ed. 1940, Kent State University	
Lerch, Irene Fleeta	D.C.	Li, Madeline Marion	D.C.
LeRoche, John Armand	D.C.	Lianos, Jane	D.C.
Lesansky, William A. B.B.A. 1942, College of the City of New York	N.Y.	Libby, Richard Lawrence B.S. 1943, Massachusetts State College	D.C. N.Y.
Lesh, Jane	D.C.	Lieberman, Simon Morris	D.C.
Leshak, William Walter	Fla.	Lichens, Dorothy Jane	D.C.
Lestell, Nell Elaine	Pa.	Lichtenstein, Barbara Ruth	D.C.
Lessem, Charlotte A.B. 1940, University of North Carolina	N.C.	Lichtig, Ignaz J.D. 1931, University of Hamburg	N.Y.
Lester, Doris Frances	Tex.	Lidji, Jacques	N.Y.
Levenson, Myrtle Singer	Va.	Lieberman, Jacob Elias B.S. 1933, Brooklyn College	D.C.
Levin, Alec Charles D.S.C. 1947, Temple University	D.C.	Liebersohn, Bertha Roseman	Ill.
Levin, Alex	D.C.	Lieberts, Hermine	D.C.
Levin, Floyd Dale B.S. 1942, University of Washington	Wash.	Liebow, Esther Rachel	N.Y.
Levin, Harry B.B.A. 1940, St. John's University	N.Y.	Liff, Charles Philip A.B. 1931, College of the City of New York	
Levin, Ruth Jay	D.C.	LL.B. 1934, Columbia University	N.J.
Levin, Stanley William	D.C.	Lifschitz, Seymour A.B. 1942, The George Washington University	
Levine, Herbert R. A.B. 1940, Brooklyn College	N.Y.	Liggett, Ruth Stratton	D.C.
Levine, Lillie A.B. 1939, Hunter College	N.Y.	Liggett, Mabel VanHorn	Va.
Levine, Rosabelle	N.J.	Ligman, Joseph Mantell A.B. 1941, The George Washington University	D.C.
Levine, Ruth Reich A.B. 1940, Brooklyn College	N.Y.	Lilacren, Ervin James	Md.
Levinson, Florence	Ill.	Lille, Susan Lane	Md.
A.B. 1941, University of Illinois		Lilly, Merton Brannard A.B. 1939, Oberlin College	Pa.
Levinson, Millicent Keppler B.S. 1941, Wilson Teachers College	D.C.	Lilly, Sam Barrett	D.C.
Levinson, Treva Rose	Va.	Livitz, Theodore Aaron	D.C.
Levinster, Isadore B.S. 1947, College of the City of New York	N.Y.	Lumpert, Henry Stephen	Md.
Levitt, Hyman B. B.S. 1945, College of the City of New York	N.Y.	Lusky, Margaret Gould	Ill.
A.M. 1916, Columbia University		Lusky, Charles Keith	Nebr.
Levy, Elsie Goulding	D.C.	Lusky, Ivan LeRoy B.S. 1941, Nebraska Central College	Wash.
Levy, Selma B.B.A. 1942, College of the City of New York	N.J.	Lusky, Russell M. A.B. 1948, University of Washington	Va.
Lew, Mary V.	Wash.	Lindenau, John Bruce A.B. 1942, A.M. 1940, The George Washington University	D.C.
Lewin, Eleanor C.	N.Y.	Lindner, Carl Witold	Va.
Lewers, Margie Arnes	Mass.	Lindow, Eleanor Niemetta A.B. 1944, A.M. 1940, Wayne University	Md.
Lewin, Walter Otto	Calif.	Lindsay, Andrew Warren	D.C.
Lewis, Arnan Kessler	Md.	Linebarger, Wayne Wentworth A.B. 1943, The George Washington University	D.C.
Lewis, Bernice Kroll	D.C.	Lingo, Jane Tunstall	D.C.
Lewis, Bessie Sara	Mass.		
Lewis, Billie Ruth	Va.		

Link, Gloria	Mass.	Lohr, Juliet	N.Y.
B.S. in Ed. 1941, New York State Normal School		A.B. 1940, Syracuse University	
Linnerooth, Bette	Tenn.	A.M. 1942, Fletcher School of Law and Diplomacy	D.C.
Linton, Floyd C.	Ark.	Lohr, Mary Catherine	Mont.
Lipitt, Henry R.	Calif.	Lombardi, Margaret C.	D.C.
B.S. 1936, Massachusetts Institute of Technology		Lomadal, Kristine	
LL.B. 1942, Harvard University		B.S. 1927, Columbia University	D.C.
Lippman, Charles	N.Y.	Longaberger, Stanley Thomas	Kan.
Lipofsky, Nathan B.	Conn.	Long, Alta Alice	W.Va.
Lipoic, Bernice Elinor	D.C.	Long, Bonita Esther	Min.
Lipson, Elena Barbara	Va.	Long, Edna Earle	D.C.
Liska, Ellen Lydia	D.C.	Long, Eileen Frances	D.C.
Lister, Herbert Everett	D.C.	Long, Louise	
Litchman, Abraham Herman	Mass.	A.B. 1937, Hunter College	Ta.
B.S. 1931, Boston University		Long, Margaret Jane	D.C.
M.B.A. 1935, Harvard University		Long, Pauline Yates	
Litman, Albert	D.C.	A.B. 1926, A.M. 1928, The George Washington University	Ta.
Litrow, Bernice	Ohio	Long, Peggy Jane	D.C.
Little, Clifford Earl	D.C.	Long, William Edward	Wn.
Little, Roy Locher	Md.	Longley, Jay Rhodes	
Littleton, Louisa Chandler	Va.	A.B. 1943, Carleton College	D.C.
A.B. 1939, Emory and Henry College		Loomis, Helene Elizabeth	D.C.
Littman, Richard A.	N.Y.	Lopez, Joseph	Ecua.
A.B. 1943, The George Washington University		Lopez, Miguel A.	Mt.
Litynski, Emily A.	N.Y.	Lord, Lois Carolyn	Pa.
Litz, Francis Xavier	D.C.	Lord, Marjorie Powlen	D.C.
Liu, Harry Chih-liang	D.C.	Lore, James Frederick	D.C.
A.B. 1943, Princeton University		Loring, Blake Marshall	
Liverman, Myrtle Louisa	Va.	B.S. 1937, S.C.D. 1940, Massachusetts Institute of Technology	D.C.
Livsey, Everett Joseph	Va.	Lorner, Margaret	Fla.
Livsey, Mary Bailey	Mass.	Lott, Margaret Agnes	N.Y.
Livingston, Earl Leale	D.C.	Loud, Marjorie Alice	
Livingston, Harold Charles	N.Y.	A.B. 1935, Mount Holyoke College	
Livingston, Samuel	N.Y.	B.S. in Ed. 1934, Ohio State University	D.C.
Lizardo, Jose Desierto	P.I.	Louden, Frederic Orr	Pa.
A.B. 1938, San Francisco State College		Louine, Dorothy Mason	D.C.
A.M. 1940, University of California		A.B. 1925, Park College	D.C.
Liavet, Marianita I.	P.R.	Love, Laura E.	D.C.
B.S. 1937, Mount St. Mary's College		Love, Raymond N.	
Lloyd, Andrew Cullen	D.C.	Ph.D. 1933, Johns Hopkins University	R.I.
Lloyd, David Wesley	Wash.	Lovejoy, Pauline Lucile	D.C.
Lo, Hsin	D.C.	Lovell, Amber Y. N.	
Lo, Tsin Yu	D.C.	A.B. 1936, University of California at Los Angeles	
Lobb, Allan Wilbur	Wash.	A.M. 1938, The George Washington University	Ala.
LoBianco, Teresa Frances	D.C.	Low, Henry John	N.C.
Lobo, Oswaldo Castro	D.C.	Lowder, Margaret Howard	D.C.
Lobred, Harold Straus	Va.	Lowder, Sarah Romelle	Idaho
Lock, Marion Geraldine	Va.	Lowe, Paul	
Lockridge, Patricia Howard	Tex.	Lowe, Waynard Wilson	D.C.
B.S. 1943, University of Missouri		B.S. 1942, University of Idaho	Id.
Lockhart, Elizabeth Berkeley	Va.	Lowenthal, Emil	
A.B. 1927, College of William and Mary		Lowere, Edward Morrison	
Lockwood, Frances Marguerite	D.C.	LL.B. 1934, New York Law School	D.C.
Lockwood, Wendell Newton	Conn.	Lowey, Alfred Raymond	D.C.
A.B. 1943, Duke University		Lowrey, Gladys Tyler	
Locraft, Vonnette Bogan	Md.	B.S. 1911, The George Washington University	
Lodter, Juliette	R.I.	A.B. 1932, Lincoln Memorial University	D.C.
A.B. 1937, Milligan College		Lowrey, Mary Booth	D.C.
Loeber, Anita P.	Calif.	Lowry, Beall	
Loewy, Lucile	D.C.	A.B. 1943, The George Washington University	D.C.
Loffler, Richard Eugene	D.C.	Lowry, Roy Jewellyn	D.C.
Logan, Elizabeth Bronson	D.C.	A.B. 1941, The George Washington University	
Logan, Reva	D.C.		
Loggins, James Elwyn, Jr.	D.C.		
A.B. 1943, The George Washington University			
Lohr, Charles Edward	D.C.		

Loyd, Page Ralph	Va.			
Loye, Elizabeth Crosby	Va.			
Lozik, Anastasia Nellie	Pa.			
Lozo, Keith Gordon	D.C.			
A.B. 1943, Susquehanna University				
Lu, Hsiao-ch'ao	China			
A.B. 1934, A.M. 1939, Yenching University				
Lu, Lillian	D.C.			
Lubar, Gloria Marcia	D.C.			
Lucas, Allene Myrtle	D.C.			
A.B. 1942, The George Washington University				
Lucas, Bertha Lovell	D.C.			
A.B. 1923, The George Washington University				
Lucas, Charles William	Va.			
Lucas, Ethel Mae	D.C.			
Th.B. 1931, B.D. 1932, Gordon College of Theology and Missions				
A.M. 1942, The George Washington University				
Lucas, Mary Boyd	Tenn.			
B.S. 1939, Tennessee College for Women				
Lucero, Modesto Garrata	D.C.			
Ludwig, Helen	N.J.			
Ludwig, Robert Clinton	D.C.			
Lueth, Charles Salak	Md.			
B.S. 1937, University of Wisconsin				
Lukens, Fred Edward	Idaho			
A.B. 1908, University of Idaho				
Lukens, Helen Frances	Va.			
Lukens, Ruth Elizabeth	Idaho			
A.B. 1939, University of Idaho				
B.S. in L.S. 1942, Simmons College				
Lukomaki, Estelle Therese	Wis.			
Lumsden, Florence M.	Md.			
A.B., A.M. 1920, Cornell University				
Lund, Walter V.	D.C.			
Lundberg, June Camellia	Fla.			
Lunsford, Josefa Belle	N.C.			
Lupo, Raphael Matthew	N.Y.			
B.S. in C.E. 1922, Cooper Union				
Lussini, Charlotte	N.C.			
A.B. 1936, Flora Macdonald College				
Luthy, Clarisse	D.C.			
Lutz, Una Dell	Calif.			
A.B. in Ed. 1936, Fresno State College				
Lux, Kathleen Franchion	Ind.			
B.S. in C.E. 1942, Purdue University				
Lybrand, William Thomas	Fla.			
Lyddane, Barbara Louise	D.C.			
Lyerly, Pearl Naomi	D.C.			
Lyman, Joseph I.	Va.			
A.B. 1935, Brown University				
Lyman, Mary Winifred	Oreg.			
Lynch, James Montgomery	S.C.			
L.L.B. 1913, University of Georgia				
Lynch, Miriam Baynes	D.C.			
Lynn, Margaret Elizabeth	Va.			
Lynn, Marjorie Angela	D.C.			
Lynn, Margaret Bayard	Ill.			
A.B. 1938, Oberlin College				
Lyon, Mildred Carolyn	D.C.			
Lyon, Phyllis Anne	D.C.			
Lyons, James Robert	D.C.			
Lyons, Robert Timothy	Conn.			
		M		
Maas, Leroy John				Md.
B.S. in Ed. 1928, Oakland City College				
Mable, Kenneth Ware				N.Y.
Mabry, James N.				Colo.
Macaulay, Harry King				Tex.
A.B. 1941, University of Texas				
MacCabe, William James				Calif.
MacConomy, Edward Nelson, Jr.				Md.
A.B. 1948, College of William and Mary				
A.M. 1943, University of Maryland				Wis.
MacDonald, Alice Elinor				
A.B. 1943, Milwaukee-Downer College				Va.
MacDonald, Alice M.				N.Y.
MacDonald, Charles L.				
M.E. 1924, Cornell University				Pa.
MacDonald, Elizabeth				
B.S. 1941, University of Pittsburgh				Md.
Macdonald, John George				D.C.
MacDonald, Katherine Cecelia				N.D.
MacDonald, Mary Alice				Md.
Macdonald, Mary M.				Mont.
MacDonald, Torrence Hugh				
A.B. 1949, Montana State University				
MacDougall, Gordon C., Jr.				Mich.
Macfarlane, June				Nev.
Macfell, Arthur Raymond				N.H.
Machen, W. Stanley				Md.
Machlen, Arthur				N.Y.
Machlup, Mirzi				D.C.
Macina, Louis DeRaymond				Pa.
MacIntosh, Daphne James				D.C.
MacIsa, Mary Rosina				
A.B. 1932, The George Washington University				D.C.
Mack, Muriel Winifred				D.C.
Mackay, Jane Ellen				Pa.
Mackey, Dorothy Jean				D.C.
Ma key, George McLaurine				
B.S. 1935, Wilson Teachers College				
A.M. 1940, The George Washington University				Pa.
Mack, Mary				D.C.
Ma Jean, Marion Elizabeth				Va.
Ma Jean, Norman Spencer				D.C.
MacLeod, Helen Louise				Va.
MacMillan, Ann Rusteyn				
A.B. 1944, University of Michigan				N.C.
MacMillan, Betty Brown				
A.B. 1941, Meredith College				Va.
Macomber, Marcia				D.C.
Macon, Elizabeth Stewart				
A.B. 1942, University of Kentucky				D.C.
Macpherson, Alan Campbell				
B.S. 1943, University of Maryland				Calif.
MacRae, Malcolm Meritt				Wis.
MacTavish, Gordon Ernest				Colo.
Macy, Violte Mae				Nebr.
Madden, Elinor Marie				N.Y.
Madden, Joseph Francis, Jr.				D.C.
Madden, Hunter Wellington				D.C.
Madden, Virginia Lurlene				N.Y.
Maezel, Bernard				Va.
Maezuder, Marion Virginia				
A.B. 1921, Randolph-Macon Women's College				
A.M. 1935, The George Washington University				W.Va.
Magruder, Ruth Allene				

Maguire, Helen Ross	D.C.	Mantell, Leroy Haines	
A.B. 1934, The George Washington University		A.B. 1942, The George Washington University	
Maguire, Joseph Patrick	Wash.	Manthey, Charles Edwin	Ohio
B.S. 1941, University of Washington		Manville, Robert Wellensiek	D.C.
Mahaffey, Kathryn A.	Nebr.	Mapon, Albert	N.Y.
Mahaffy, Steve Renfrew	Calif.	B.S. 1941, College of the City of New York	
Mahau, Phyllis Maddelon	Mass.	Marans, Frances Anna	
Maher, Mary Jane	D.C.	B.S. 1938, Wilson Teachers College	D.C.
Mahoney, Thomas Donald	Mass.	Marans, Nelson Samuel	D.C.
A.B. 1935, A.M. 1937, Boston College		Marchinkoskie, Walter Joseph	N.Y.
Mahrer, Mary Elizabeth	D.C.	Marcosano, Muriel A.	Mass.
B.S. 1941, University of Maryland		Marcum, Leocade Leighton	
Maier, Sally Ann	Ohio	A.B. 1939, Tufts College	
Maigren, Henry Thorwald	N.Y.	A.M. 1943, The George Washington University	
B.S. 1932, Hamilton College		Marcus, Marvin	Pa.
M.B.A. 1930, University of Pennsylvania		Marcus, Muriel Grossinger	Pa.
Maile, Ernestine G.	Va.	Marcus, Sybil	D.C.
Mainhart, Howard Morsell	D.C.	Marett, Adell Marguerite	Pa.
Maining, Atholl Marina	D.C.	Margolius, Jerome F.	D.C.
Majorana, Nathan Joseph	D.C.	Margraf, Harold Francis	D.C.
Major, Ruth R.	D.C.	B.S. 1931, New York University	
Mak, George	N.J.	M.S. 1936, College of the City of New York	N.J.
Makela, Priscilla Josephine	Mich.	Markham, Virginia Chandler	Pa.
Makuck, Helen Catherine	Conn.	A.B. 1942, Bryn Mawr College	
Malcolm, Mary Frances	Va.	Markle, Virginia Lee	
Malee, Paul F.	D.C.	B.S. 1942, College of William and Mary	
Malensky, Jeannette	N.Y.	Markley, George Harlin	D.C.
Maletz, Charlotte Doris	D.C.	Markova, Emma	Canada
Malhd, Anne	Mass.	Markovich, Ella	Pa.
Malme, Mary Gertrude	D.C.	Markowitz, Agnes Regina	N.J.
Malton, William	Va.	Markowitz, Irving	D.C.
B.S. 1931, University of Minnesota		Marks, Jean Elizabeth	D.C.
Mallory, Robert Henry	D.C.	Marks, Lester	D.C.
Mallyck, E. Theodore	Pa.	Marks, Mae Irene	D.C.
B.S. in E.E. 1941, Drexel Institute of Technology		Marks, Pauline Galen	Maine
Malone, Molly Patricia	Nev.	Marks, Sallie B.	N.C.
Maloney, Patricia Monica	D.C.	A.B. 1921, Southwestern State Teachers College (Oklahoma)	
Malott, Marie M.	Va.	A.M. 1926, Columbia University	D.C.
A.B. 1919, Northwestern University		Marlowe, Eugene	D.C.
Malowski, Mary Marguerite	Minn.	Marmer, Nancy Jane	Ill.
Mamish, Julia	W.Va.	Marquardt, Frank Richard	D.C.
Mancus, Eugene Edward	Pa.	Marques, Maria Elenh	Calif.
Mandel, Pearl	N.Y.	Marr, Jeanette	D.C.
Mandes, James	D.C.	Marrone, Edward Pantaleon	Va.
Mandes, Tom John	D.C.	Marsh, Nancy Bernice	Va.
Mandris, Theodore Louis	D.C.	Marshall, Bernice Westbrook	Va.
Manglier, Barbara Helen	D.C.	Marshall, Claudia	
Mangum, Camille Elise	D.C.	Marshall, Doris Loretta	
B.S. 1940, Wilson Teachers College		A.B. 1933, University of Michigan	Wash.
Mankin, Haven Winston	Md.	Martel, Stuart Henry	Md.
A.B. 1941, Washington and Lee University		Martin, Alexander Campbell	
Mankin, James W.	Va.	A.B. 1920, Oberlin College	
Manley, Albert Sorrels	D.C.	M.S. 1924, North Carolina State College of Agriculture and Engineering	W.Va.
Mann, Catherine Mice	D.C.	Martin, Anne Lucille	Va.
Mann, Charles Griffiths	Mich.	Martin, Beatrice Douglas	Va.
Mann, James Packard	D.C.	Martin, Daniel Walter	Md.
Mann, Jean Caryl	D.C.	Martin, F. Mervin D.	Va.
Mann, Louise Edwards	D.C.	Martin, James Edmund	Utah
Mann, Max Lou	D.C.	Martin, James Hyrum	Va.
Mann, Shirley Louise	Ind.	Martin, Janice Catherine	Mo.
Mann, Jacqueline	D.C.	Martin, Jean Elder	
Mannone, Helen Holden	N.J.	A.B. 1938, Washington University	D.C.
Mannone, Mildred Jane	Va.	Martin, John Gaillard	
Mannon, Ralph Waldo	D.C.		
Mannus, John George	Pa.		
Mansbridge, Stanley Edward James	D.C.		
Mansfield, Mae Helen	England		
Mansfield, Nell Powell	Ill.		
	Va.		

Martin, Marjorie Laatz	Ind.	Maxwell, Ruth Marie	Okla.
Martin, Raymond John	Tex.	May, Donald Curtis	D.C.
B.B.A. 1917, LL.B. 1940, University of Texas		A.B. 1948, University of Michigan	
Martin, Robert Edward	Pa.	A.M., Ph.D. 1941, Princeton University	N.Y.
Martin, Robert Belle	N.Y.	May, Irving	
Martin, Rosa Irene	D.C.	B.S. 1948, College of the City of New York	
Martin, Stanley Ayers	D.C.	May, Martha Lulu	Va.
Martinez, Monna Lee	D.C.	Mayer, Doris Y.	N.Y.
Martinez, Alpha B.	Tex.	A.B. 1935, Vassar College	
Martowicz, Edward Thomas	Ohio	Mayer, Herbert	D.C.
Maruca, Frank Peter	N.J.	Mayer, Janice Kathryn	D.C.
Maschke, M. Helen	Pa.	A.B. 1944, University of California	
Masiello, Joseph Alvin	Va.	Mayfield, Faye C.	D.C.
Mason, Betty	D.C.	A.B. 1948, University of Tulsa	
Mason, Esther Grace	D.C.	Maylott, Mary A. Y. N.	N.Y.
Mason, Florence Euphemia	Md.	A.B. 1932, Smith College	
Mason, Shirley Anne	D.C.	LL.B. 1940, New York University	N.H.
Mason, Shirley June	D.C.	Maxland, Constance	Ga.
Massa, Emma	D.C.	Massie, Betty Joyce	D.C.
Massey, Mauvoleon	Ala.	Massie, Helen Virginia	D.C.
Massey, William S.	Ill.	Maszkus, Anthony Frank	D.C.
B.S. 1941, M.S. 1942, University of Chicago		Mazer, Goldye	Md.
Masie, Elizabeth Faulkner	Va.	McAlam, John P.	Utah
Masie, Minnie Reardon	D.C.	McAllee, Dan B.	
A.B. 1941, Concord State Teachers College		A.B. 1941, Brigham Young University	
Masoletti, Lillie	Va.	McAlister, Mary G.	D.C.
A.B. 1936, The George Washington University		McAlear, Frank Fd.	Ark.
Masoretan, Suzanne	Va.	McAskill, Harold Arthur	Md.
Masten, Floyd Edward	N.Y.	McAvoy, William Bernard	Maine
B.S. 1948, Syracuse University		McBee, Gladys Louise	D.C.
Masters, Marcelle C.	Ark.	McBee, Max Pauline	Canada
Massey, Robert H.	D.C.	McBride, Daniel Arthur	D.C.
Mathews, James Albert	Md.	McBride, Frances C.	Fla.
Mathews, John Bradburn	D.C.	McBryen, Jane Kalk	D.C.
Mathew, Notman	D.C.	McCabe, James Joseph	N.Y.
Mathews, I. Eleanor	D.C.	McCabe, Ralph Lee	D.C.
Mathews, Mary Brown	Va.	McCaffrey, I. Cecile	D.C.
B.S. 1948, Alabama State Teachers College		McCady, Alice Lorraine	Mo.
Mathews, Mercia C.	D.C.	McCann, Gladys Faye	Miss.
Mathews, Thomas	D.C.	McCann, Hattensee	D.C.
B.S. in Ed. 1919, University of Colorado		McCall, Helen V.	S.C.
LL.B. 1914, St. John's University		McCall, Rena Agnes	Mass.
Matamore, Walter Bernard	N.Y.	McCallum, Margaret	D.C.
Mattingsly, Robert Andrew, Jr.	D.C.	McCann, Dorothy Patricia	D.C.
A.B. 1943, The George Washington University		McCarthy, Mary Agnes	Ind.
Mattix, Audrey Elizabeth	D.C.	McCarthy, Robert Joseph	N.I.
B.S. 1945, Virginia State Teachers College		McCarthy, I. Benjamin, Jr.	Va.
Mattox, Balfour Davis	D.C.	B.S. 1946, Webb Institute of Naval Architecture	
Mattson, Helen Frances	D.C.	McCurry, Moss Ellen	Pa.
Mattson, Helen Irene	D.C.	McCurry, Paul Bernard	Mass.
A.B. 1943, The George Washington University		McCurry, Thelma Price	Ill.
Mattson, Lawrence Charles	Pa.	McCusland, Mary Virginia	D.C.
Maudsley, Jane L.	D.C.	B.S. 1947, Wilson Teachers College	
B.S. in Ed. 1942, Georgia State College for Women		McCaw, Lorena May	D.C.
Mauk, James Francis	Ind.	McCas, Yvonne Graham	Va.
Maurer, George J.	Va.	McChesney, Norman Wells	Md.
Maurer, Herbert Maurice	D.C.	McClary, Mary Edith	Md.
Mautner, Olga	D.C.	McClellan, Howard Frank	D.C.
Mauzy, Rebecca Allyn	Va.	McClellan, James Howard	D.C.
Mazey, Maggie B.	Va.	McClellan, LaVonne Hedeon	D.C.
		McClesney, Arthur	D.C.
		McClesney, Winifred Doherty	D.C.
		McClung, Mark	D.C.
		A.B. 1926, University of Alberta	
		McClure, Dana Florence	D.C.
		McCorkle, James S.	W.Va.
		A.B. 1947, Concord State Teachers College	
		McCorkle, Mary Ellen	D.C.

McCormick, Raymond E. B.S. 1931, A.M. 1933, University of Nebraska	Va.	McKenzie, James Joseph A.B. 1939, Canisius College	N.Y.
McCormick, William Stanley A.B. 1931, Yale University	Conn.	McKenzie, Lawson Morell B.S. 1934, A.M. 1938, The George Washington University	Ind.
McCoy, Horace Lyman	Md.	McKenzie, Louise Erk	Pa.
McCrahan, Betty Mae	D.C.	McKeown, Michael	D.C.
McCreight, Major Israel	Fla.	McKercher, Harriet M. A.B. 1941, Park College	Iowa
McCroskey, Byron Beach B.S. 1940, New Mexico School of Mines	Md.	McKey, Richard Kendall	D.C.
McCubbin, John Grason	D.C.	McKibben, Ernest Collett, Jr. B.S. 1942, State College of Wash- ington	Wash.
McCue, Timberlake Shirley B.S. 1939, University of Virginia	Va.	McKinney, Mary Elizabeth McKinney, Worthy William	Va.
McCulloch, Mary Linn	D.C.	McKinnon, Lorraine Marjory	Ohio
McCurly, Dorothy Marian	D.C.	McKinnon, Maurine Marjorie	Ala.
McCurdy, Catherine N.	Neb.	McKinnon, William Thomas A.B. 1925, A.M. 1926, University of South Carolina	Va.
McCutchen, Betty Louise	Ill.	McKnight, Jean Elizabeth	Iowa
McCutchen, Sara Kennedy	S.C.	McKune, Muriel Lois	Ill.
McCutcheon, James Glezen A.B. 1941, University of Buffalo	N.Y.	McLaughlin, Agnes M.	Pa.
McDaniel, Evangeline M.	Va.	McLaughlin, Joe Chester	Ind.
McDaniel, Lucile Jane A.B. 1942, University of California at Los Angeles	Calif.	McLaughlin, Wilbur Dean	D.C.
McDermott, Jean Marie	D.C.	McLean, Rufus Dinkle A.B. 1941, Marshall College	Ky.
McDonald, Charles Eugene	Tex.	McLeod, Edith Lett	Mich.
McDonald, Ethel Christine	Mich.	McLoone, Edward Watkins B.S. 1942, University of Notre Dame	Okla.
McDonald, Gorman A.	Okla.	McLoone, John Joseph B.S. 1942, University of Arizona	S.D.
McDonald, Margaret	Va.	McMahon, Virginia A. A.B. 1941, College of New Rochelle	D.C.
McDonald, Mary Elizabeth	D.C.	McManis, Rodenck Allen	Ohio
McDonald, Reginald Franklin	Miss.	McManus, Jean	W.Va.
McDonald, Barbara Rae	D.C.	McMichael, Margaret Gamble	D.C.
McDowell, Edward Lee	N.Y.	McMillan, George Michael	Mich.
McDuffie, Eleanor Ann	D.C.	McMillan, Marjorie Alice	Ind.
McEachean, Sara Mae	D.C.	McMillan, William Walter	Md.
McEwan, Mary Adelaide	Va.	McMillen, Patricia Jahn A.B. 1940, The George Washington University	D.C.
McFadden, Elizabeth Townsend	N.J.	McMillen, William Homer	D.C.
McFadden, William Armour B.S. 1939, Harvard University	N.J.	McMullen, Marjorie Ann	D.C.
McFall, Creed Flannery	D.C.	McMurray, Hazel Albertson	S.C.
McFarlam, Alexander Caughey	Md.	McMurray, Houston Moore	S.C.
McFolin, Roy Lee	Tenn.	McMurray, Katherine Moore	D.C.
McGahran, Alice Emily	N.Y.	McNabb, Gertrude Elliott	D.C.
McGann, Marjorie Louise	D.C.	McNair, Elizabeth Julia	Okla.
McGarry, Edward Clifford	N.J.	McNamara, Mary Agatha	D.C.
McGavock, Martha Peirce B.S. in Ed. 1941, Madison College	Va.	McNaughton, Elisabeth H.	N.J.
McGee, Francis George	Mass.	McNeece, Laura Butler	Tenn.
McGhee, Marjory Royce	Wash.	McNeil, Ann Rosalie	Md.
McGinniss, Barbara Mae	D.C.	McNew, Josephine H.	D.C.
McGraw, Mary Jen	D.C.	McNickle, Thomas Francis	Neb.
McGregor, Iris Gertrude	Va.	McNutt, Anna Mary	N.Y.
McGuckin, John Anthony	N.Y.	McNutt, Mary Alice	D.C.
McGuire, Pat	Iowa	McQuade, Theresa Mosser	Pa.
McGurrin, James Joseph, Jr.	D.C.	McQueary, Dennis Everett	D.C.
McHale, Martin William	Pa.	McQueen, Robert Keith	Iowa
McHarg, Charles Austin, Jr. B.S. in E.E. 1943, Union College	D.C.	McRae, Alice Elizabeth	Ariz.
McInteer, Sarah M.	N.Y.	McRae, Luther Cecil A.B. 1927, M Ed. 1928, Duke Uni- versity	Va.
McIntire, Annabelle A.B. 1940, Wittenberg College	Ohio		
B.S. in L.S. 1935, Louisiana State University			
McIntosh, Albert LeRoy	D.C.	McReynolds, Frances R. P. A.B. 1935, Illinois College	Ill.
McIntyre, Robert Varnum A.B. 1935, The George Washington University	D.C.	McReynolds, James Sloan	Pa.
McIntyre, William G.	D.C.	McShane, William Robert	D.C.
McIver, Ernest Dill, Jr.	D.C.	McTwiggan, Patricia Ann	Pa.
McKay, Martha	D.C.	McVetty, William Seager	Ohio
McKean, Marjorie A.	D.C.	McVey, Nelle Allison	

Mead, Charles Alexander, Jr. A.B. 1943, The George Washington University	Md.	Metzelaar, Paul Norman M.S. 1941, University of Michigan	D.C.
Mead, Oscar John B.S. 1943, Wayne University	D.C.	Meyer, Adolphe Gadol	D.C.
Mead, Robert Osborn		Meyer, Melita Z.	Conn.
Meade, Arthur Edward	Md.	Meyer, Robert Max B.S. in M.E. 1938, University of Colorado	Colo.
Meadows, L. Frances A.B. 1942, Alabama Polytechnic Institute	Va. Ala.	Meyer, Thomas Oliver A.B. 1941, Bucknell University	Pa.
Meadows, Mary Ezie	Ala.	Meyer, Wilhelm E.	Tex.
Means, Willard O'Kelley	Mo.	Meyer, William Herman	D.C.
Mears, Ann Elizabeth	Va.	Meyers, Alma W.	Tenn.
Mease, Josephine Ida	D.C.	Meyers, Leonard Bernard	D.C.
Medbery, Elisabeth Wagner	Md.	Meyers, Marjorie Castle B.A.E. 1939, Ithaca College	D.C.
Medley, Lloyd Tindall	Va.	Meyers, Mary Ream	D.C.
Meehan, John Burton B.S. 1942, Pennsylvania State College	D.C.	Meyers, Ruth L.	Md.
Meelan, Katherine Louise	Mo.	Meverson, Winifred Adeen	Va.
Meeks, Hubert Allen	Va.	Michalski, Otto Ernest	Mich.
Meem, Betty Lee	D.C.	Michelson, Ruth G.	Tex.
Meella, Ella	Pa.	Michalska, Gertrude Bertha	D.C.
Meer, Iona Sophia	Wis.	Michelson, Betty	D.C.
Mendholtz, Hattie R.	Md.	Michelson, Claude	N.Y.
Merc, Louis Howell A.B. 1937, The George Washington University	D.C.	Michelson, Harry A.B. 1943, The George Washington University	D.C.
Meisels, Henry Leonard	D.C.	Michon, Stephanie Ann	Wash.
Meister, Robert Theodore	W.Va.	Mickelsen, Pauline E.	Wash.
Meldrum, Robert A.	Ill.	Mickelsen, Walter B.B.A. 1933, University of Washington	
Melenzyer, Charles Louis A.B. 1941, Bucknell University	D.C.	A.M. 1942, The George Washington University	D.C.
Mellum, Charlotte Arline	Ill.	Mickey, William Earle, Jr.	Wis.
Meiman, Betty	D.C.	Miles, Thomas C.	Va.
Meiman, Ruth	D.C.	Middleman, Miriam	D.C.
Meloy, Bette Lawrence	D.C.	Middleton, Frederick Andrew	Mass.
Melson, Elsie Grace B.S. 1932, Kansas State Teachers College	Md.	Mielow, Ingeborg Karen	Pa.
Meltzer, Allen E.	Va.	Miehluck, Anna Bella	Pa.
Meltzer, Beatrice A.	N.Y.	Miehluck, Teresa	Calif.
Melvin, Flavell Bryan, Jr.	Va.	Mikesell, Alfred Hougham A.B. 1945, University of California	N.Y.
Memler, Willard R. A.B. 1941, The George Washington University	Va.	Mikolsky, Haaren Albert	P.R.
Mencolani, Olga	Conn.	Milati, Ramon Arturo	D.C.
Meriwether, Marian Douglas	Tenn.	Milbourn, Mary Louise	Va.
Mendez, Amelia C.	D.C.	Miles, Benjamin Cottman	D.C.
Menkes, Paul Fillmore	D.C.	Miles, Mary Lou	D.C.
Mercer, Betty Bragg	Kans.	Miles, Teresa Elizabeth	D.C.
Mercer, V. Marie	D.C.	Miltzer, Gustave David	Mich.
Meredit, Joseph Nelson	D.C.	Mind, Wilma Grace	D.C.
Meritub, Audrey Margaret	D.C.	Millar, Jack William A.B. 1944, Stanford University	N.Y.
Merrell, John Yates A.B. 1942, Brigham Young University	Ill. Va.	Millar, John McGregor A.B. 1941, Williams College	Calif.
Merriam, Helen R. A.B. 1924, Mount Holyoke College	Vt.	Miller, Max Stephen A.B. 1943, Fresno State College	Va.
A.B. in L.S. 1938, The George Washington University		Millard, Francis Rhodes A.B. 1928, Pacific Union College	Colo.
Merrill, Lowell Garr A.B. 1942, Stanford University	Idaho	Millard, Irene	D.C.
Merritt, Margaret Reed A.B. 1920, A.M. 1926, The George Washington University	D.C.	Miller, Selah Elizabeth	N.Y.
Merritt, Violet Seraphia	D.C.	Miller, Adele Garber A.B. 1943, Hunter College	Md.
Mesney, Marguerite Rushing	D.C.	Miller, Alice Eleanor A.B. 1940, The George Washington University	D.C.
Metcalfe, Mildred L.	D.C.	Miller, Antonine Geoffrion	Minn.
Metelits, Jerome Bernard	D.C.	Miller, Betty Lou	N.Y.
Metropol, Bannia Lavinia	Md.	Miller, Carl B.S. 1940, College of the City of New York	Pa.
Metz, Mary Robin	S.C.	Miller, Charlotte Nevins	D.C.
Metz, Rayanna	D.C.	Miller, David Samuel	Va.
	D.C.	Miller, Doris Annette	

Miller, Dorothy Galbraith	Va.	Minno, John	Pa.
Miller, Dorothy Gladys	N Y.	A.B. 1938, University of Pittsburgh	Md.
A.B. 1934, Cornell University		Minor, Arthur Hirsch	Tenn.
Miller, Dorothy Lee	Md.	Minor, Florence B.	W.Va.
Miller, Dorothy R.	Ill.	Minor, James Beryll	
Miller, Edith Homay	Idaho	A.B. 1943, The George Washington	
B.S. 1935, University of Idaho		University	Ore.
Miller, Edna Virdena	Kana.	Minthorn, Samuel Peter	N.H.
Miller, Eleanor Maxine	D.C.	Mirabal, Alfonso	
Miller, Eugene Lemuel, Jr.	D.C.	A.B. 1933, University of New Mexico	D.C.
Miller, Eve Sara	Mass.	Mirengoff, William	W.Va.
Miller, Evelyn Wells	D.C.	Miridokis, Stella	Calif.
Miller, Felicia Mary	D.C.	Miser, Zelma Allen	D.C.
Miller, Florence Shirley	D.C.	Misner, Robert David	Utah
B.S. 1942, Pennsylvania State College		Misson, Nancy Louise	Ark.
Miller, Frank Lewis	D.C.	Mitchell, A. Paulette	D.C.
Miller, Herbert Andrew	N.D.	Mitchell, Alto Pauline	D.C.
Miller, Javne G.	S.C.	Mitchell, Clara Howland	Md.
Miller, Jean Satterlee	D.C.	Mitchell, Eileen Davis	Me.
Miller, June Iris	Va.	Mitchell, Elizabeth Jane	
Miller, Lelia Jane	D.C.	Mitchell, Lawrence E.	
Miller, Lloyd Dean	D.C.	A.B. in Ed. 1938, Nebraska State	
Miller, Marian Louise	Minn.	Teachers College	Va.
Miller, Marie Frances	Ill.	Mitchell, Marguerite Amy	Ala.
B.S. 1940, University of Alabama		Mitchell, Patricia Ford	D.C.
Miller, Mary Caroline	D.C.	Mitchell, William Carleton	
A.B. 1941, American University		B.S. 1940, University of Cincinnati	Pa.
B.S. 1942, University of Missouri		Mitchell, Winifred G.	Ind.
Miller, Mary Elizabeth	D.C.	Mock, Dana L.	
Miller, Maxine	D.C.	B.S. 1943, Indiana University	Ark.
Miller, Melvin Eugene	Pa.	Mock, Reba L.	D.C.
Miller, Olive Marie	D.C.	Moen, Mary Elizabeth	Md.
Miller, Paul	D.C.	Moffett, Bertrand Lee	D.C.
B.S. 1941, The George Washington		Moglen, Muriel Sussman	Va.
University		Mohler, Marvin Francis	Tex.
Miller, Perry Brackett	D.C.	Mohr, Eleanor S.	
Miller, Perry Wilburn	D.C.	B.S. 1935, A.M. 1936, University of	D.C.
Miller, Phyllis	D.C.	Texas	Va.
Miller, Ralph G.	N.Y.	Mohrbacher, Mary Annette	D.C.
Miller, Richard Eugene	Ind.	Moline, Ruth Alice	
Miller, Robert Laurence	N.J.	Moloney, Amanda Gandette	Ill.
B.S. 1943, Rutgers University		Ph.B. 1938, University of Chicago	
Miller, Samuel Peter	Oreg.	Molyneaux, Marjorie Beatrice	D.C.
Miller, Spencer Kelsey	Conn.	B.S. 1936, University of Chicago	Va.
A.B. 1942, Miami University		Montee, Olga Ellen	Pa.
Miller, Virginia Yates	Va.	Montague, Marion Mae	Pa.
Miller, Walter Brown	S.C.	Montgomery, Daniel O'Dea	
A.B. 1942, Wofford College		Montgomery, Judith Ruth	
L.L.B. 1948, University of South		A.B. 1941, Georgia State College for	D.C.
Carolina		Women	Va.
Milham, Retha Doris	Mo.	Montgomery, Emma Gray	Va.
Milken, Elizabeth Crawford	D.C.	Montgomery, Marie Gertrude	Tenn.
Milkins, Maria S.	S.C.	Montgomery, Martha Ann	Pa.
Milman, Gerald Mabory	D.C.	Montgomery, Mary Jean	
Milner, Miriam Lucille	Pa.	Montgomery, Robert Henry	D.C.
Milner, Barbara Lee	Va.	B.S. 1943, University of Dubuque	Pa.
Mills, A. Jacqueline	D.C.	Montgomery, Robert Rose	Pa.
Mills, Audrey Virginia	N.C.	Montgomery, William Jefferson	
Mills, Irma Inez	Va.	B.S. 1941, Agricultural and Mechan-	N.M.
Mills, Jewell Muriel	Mo.	ical College of Texas	Va.
Mills, John Almyson	D.C.	Montoya, Ray Louis	N.M.
B.S. 1940, Wilson Teachers College		Monta, Betty Jane	Pa.
Mills, Shirley Nuckerson, Jr.	D.C.	Moosaw, Catherine Lois	Pa.
Mills, Stephen Roy, Jr.	R.I.	Mooney, Eileen Mary	Pa.
Mills, V. Shirley	D.C.	Moor, Ralph C.	Pa.
Mills, Virginia Faye	Va.	Moor, Ruth S.	Va.
Millsprugh, Helen Jean	Ind.	Moore, Anne MacGregor	
Milner, Owen Lee	Va.	Moore, Catherine Myers	
Milar, Evelyn Sorraime	Md.	B.S. 1942, The George Washington	D.C.
Milstead, Reba Mary	Ala.	University	D.C.
Milstead, Valene Moore	Md.	Moore, Christine LaVoie	Mo.
Miser, Gale Philip	Va.	Moore, Donna Maxine	
Mink, Margaret Ruth	D.C.	Moore, Evelyn I.	

Moore, Ewell Gibson, Jr.	D.C.	Moseley, Charlotte Wilson	N.C.
Moore, George Carlton	Md.	Mosca, Elizabeth Yvonne	D.C.
A.B. 1941, University of Maryland		Mosers, Lowell Miller	Va.
Moore, Isabel Jean	Va.	B.S. 1931, Massachusetts Institute	
Moore, Lucille Minerva	N.Y.	of Technology	
Moore, Margaret Louise	D.C.	Mosesso, John A.	Pa.
Moore, Marjorie Virginia	Minn.	Mosoryak, Irene	Pa.
Moore, Mary Almeda	Ind.	Moss, Dorothy S.	Fla.
Moore, Mary Daphne	Fla.	A.B. 1934, Flora MacDonald College	
Moore, Mary Louise	Md.	A.M. 1922, Duke University	
Moore, Pattie Tatum	D.C.	Moss, Lila Frances	Va.
Morales, Alfredo T.	P.I.	Mott, Alice May	D.C.
Phi B. 1936, University of the Phil-		Mott, Elizabeth L.	D.C.
ippines		Mott, George R. Leon	N.Y.
A.M. 1939, University of Michigan		A.B. 1942, Ohio Wesleyan University	
Moran, Francis Michael	D.C.	Mott, Howard Otis	N.Y.
Morar, Mary	Ohio	A.B. 1941, Union College	D.C.
Moravense, Muriel Angele	N.Y.	Moulton, Barbara	
Morales, Ruth	Md.	A.B. 1937, University of Chicago	
Morland, Virginia Louise	Ill.	A.M. 1940, The George Washington	
A.B. 1942, MacMurray College for		University	Mont.
Women		Mountain, Wayne	
Morris, Robles, Alfonso	D.C.	B.S. 1943, Montana State College	D.C.
Morgan, Alice Susan	D.C.	Moximo, Alice	D.C.
B.S. 1938, University of Maryland		Moy, Ernest	D.C.
Morgan, Mary Turner	Va.	Moyer, Elsie Frances	D.C.
A.B. 1942, College of William and		Muchnick, Sarah Belva	D.C.
Mary		Mudge, David Edward	W.Va.
Morgan, Warren William	Iowa	B.S. 1937, A.M. 1938, West Vir-	
Morganston, Dolores Ethel	D.C.	ginia University	
Morgart, Lena	Pa.	Mudge, Harold Robert	Md.
A.B. 1941, The George Washington		Muehler, Howard Henry	Va.
University		Muehlhouse, William	D.C.
Morarty, Joseph January	Mo.	Mueller, Florence Ruth	S.D.
Morin, Genevieve E.	Ill.	Muhonen, Neil Nicholas	Minn.
Morin, Leone E.	D.C.	Muilenburg, Robert A.	S.D.
Morin, Richard Wedge	Minn.	A.B. 1941, The George Washington	
B.S. 1924, Dartmouth College		University	
L.L.B. 1928, Harvard University		Mull, Elizabeth Louise	Mo.
Morland, Laura Margaret	Minn.	Mullady, David Musgrave	D.C.
Morley, Joseph Spencer	Ohio	Muller, Jean B.	D.C.
Morley, Margaret	Calif.	Mulland, Eugene John	D.C.
A.B. 1947, University of California		A.B. 1939, University of Washington	
Morley, Sylvan Howard	Nev.	Mull, Eileen D.	W.Va.
Morrell, Frances Arthur	D.C.	Mullen, James Kane	Idaho
Morris, Editha Rawles	N.C.	B.S. 1941, University of Idaho	
A.B. 1940, University of North		Mullen, Lewis James	Ill.
Carolina		Mullendore, Betty Jane	D.C.
Morris, Frances Jeannette	Va.	Muller, Jeanne Bullwinkel	N.Y.
Morris, Hilma Maria	Md.	Muller, Raymond Carl	D.C.
A.B. 1940, The George Washington		Muller, Margaret Jean	Nebr.
University		Mulligan, Mary Annette	D.C.
Morris, Lois	Pa.	Mullins, William Day	Md.
Morris, Marjorie Pauline	Ohio	A.B. 1926, Washington and Lee	
Morris, Samuel Tobias	S.C.	University	
Morris, Una Rita	D.C.	A.M. 1921, University of Chicago	D.C.
Morrison, Mary Gloria	D.C.	Mullins, Edward Hatcher	D.C.
Morrison, Ruth Rose	Mass.	Mullish, Margaret Shirley	Kans.
Morrison, William Payne	W.Va.	Murden, Violet E.	D.C.
Morrison, Thomas F.	Md.	Mundy, Thelma O.	N.Y.
Morrow, Finlay William	N.J.	Munier, Muriel Margaret	N.Y.
Morrow, Gav	D.C.	Munkelwitz, Ernest Norman	D.C.
A.B. 1941, Lynchburg College		Munn, Jeannette Ruth	
Morse, Marianne	Mass.	A.B. 1942, Hiram College	Md.
Mottell, Mary Virginia	D.C.	Munro, Helen Baird	Va.
Mortensen, Edith Elizabeth	D.C.	Munro, Willard Lowe	
A.B. 1928, Carleton College		B.S. 1927, Massachusetts Institute	
A.M. 1927, University of Minnesota		of Technology	Ind.
Morfield, Clare Olivia	D.C.	Munson, Betty Maxine	S.D.
Morton, Conrad Vernon	D.C.	Musson, Hugh Benjamin	
A.B. 1928, University of California		B.S. 1943, University of South	
Morton, Mary A.	D.C.	Dakota	D.C.
Moscattello, Anthony Carmen	Pa.	Munster, Norma M.	

Munzer, Edward Norman	N.Y.	Nasht, Charlotte	N.Y.
B.S. in E.E. 1942, State University of Iowa		Nathan, Sarah Jeannette	N.C.
Murdock, James Oliver, Jr.	D.C.	A.B. 1941, University of North Carolina	D.C.
Murphy, Ruth Virginia	Va.	Nathanson, Albert Irving	D.C.
Murphree, Helen Marie	Tex.	Nathanson, Bonnie Ruth	Conn.
Murphy, Anna Lu	D.C.	Nawrocki, Jeanette M.	Mich.
Murphy, Charles Francis	Nev.	Neale, Abas B.	
Murphy, Christopher Joseph, Jr.	D.C.	B.S. 1941, Detroit Institute of Technology	D.C.
Murphy, Edward Vincent, Jr.	D.C.	Neamon, Anne	Me.
Murphy, Eleanor Ruth	D.C.	Needy, Glendora Ellen	
Murphy, Henry Richard	R.I.	B.S. in Ed. 1940, University of Maryland	Ill.
Murphy, Isabella May	Conn.	Neely, Robert Joseph	Ohio
Murphy, Jay	Ill.	Neff, Margaret Anne	Va.
A.B. 1933, University of Illinois		Neff, Margie Ellen	P.R.
Murphy, Marguerite Dorris	Md.	Negroni, Canciani, Malen	N.Y.
A.B. 1937, The George Washington University		Nehmer, Stanley	
Murphy, Martha Louise	N.Y.	B.S.S. 1941, College of the City of New York	
A.B. 1942, College of St. Elizabeth			
Murphy, Mary Frances	D.C.	A.M. 1942, Columbia University	D.C.
Murphy, Rosemary	Md.	Neil, Charles Gilbert	D.C.
Murphy, Thomas Martin	Ind.	Neilson, Alfred John	
B.S. 1941, Notre Dame College		B.S. 1942, Utah State Agricultural College	Vt.
Murray, Gertrude Emily	W.Va.	Neilson, Robert Oliver	D.C.
B.S. 1941, West Virginia University		Nelson, Bertie	Pa.
Murray, Howard Joseph	Md.	Nelson, Edward Crowell	
Murray, Imelda Frances	D.C.	B.S. 1943, Rensselaer Polytechnic Institute	S.D.
Murray, James Andrew, Jr.	D.C.	Nelson, Elaine A.	
Murray, Michael James	Tex.	A.B. 1939, Yankton College	
Murray, Ray Patrick	Kans.	A.M. 1942, University of Iowa	D.C.
Murray, Robert Warren	D.C.	Nelson, Eric Victor	D.C.
Murrow, Eugene Foster	Fla.	Nelson, G. Lois	
B.S.E. 1935, Florida Southern College		A.B. 1935, University of Maryland	Vt.
Murrow, Juanita Smith	D.C.	Nelson, Jeanne Craver	Me.
A.B. 1930, Florida Southern College		Nelson, Lois E.	D.C.
Mushabac, David	D.C.	Nelson, Marjorie May	N.C.
Mushabac, Robert J.	D.C.	Nelson, Sarah Frances	D.C.
A.B. 1942, Brooklyn College		Nelson, Theodore Warren	Tex.
Mushabac, Ruth Lowens	D.C.	Nemir, Fred Robert	Mass.
Myer, Ruth Estrella	N.Y.	Nerboso, Salvatore Daniel	
A.B. 1947, Hunter College		A.B. 1941, University of New Hampshire	Ill.
Myers, C. J.	N.J.	Nesbitt, Barbara Trump	
Myers, E. Evelyn	Va.	B.S. 1939, Northwestern University	D.C.
Myers, Elizabeth Charlotte	Md.	Nessell, William Edward	
Myers, Gale	Va.	A.B. 1942, The George Washington University	D.C.
Myers, Helen Sherman	D.C.	Nessul, Richard Joseph	D.C.
B.S. 1940, The George Washington University		Newland, Patricia Ann	D.C.
Myers, Jim	D.C.	Neumann, Margaret Marie	
Myers, Peter Briggs	Pa.	A.B. 1928, The George Washington University	Vt.
Myers, Richard Clayton	D.C.	Nevils, Florence Irene	Ind.
Myklebust, Roy John	Mont.	Newburn, T. Gertrude	Fla.
A.B. 1940, Montana State University		Newcomer, Alice Kay	
N		A.B. 1941, The George Washington University	D.C.
Naele, Ruth Virginia	Va.	Newcomer, Ruth Alma	Me.
Naff, Patricia Marion	Va.	Newell, Beverly Jeanne	Pa.
Naltzer, Merril R.	Mich.	Newell, Charles Conklin	Min.
Navy, Lillian Sophia	W.Va.	Newell, Lucy Marie	D.C.
Nalle, Virginia Fitz	Va.	Newell, Marian Jane	
Nauman, Lillian Lorraine	D.C.	Newell, Robert Melvin	D.C.
Nauman, Robert Morton	D.C.	A.B. 1941, Stanford University	Me.
Nakamura, James Y.	D.C.	Newell, Zita Dorothea	D.C.
Nall, James Ramon	D.C.	Newfield, Gene Enid	D.C.
Nalls, Virginia Ann	D.C.	Newhouse, Stanley Raum	D.C.
Nameth, Betty E.	D.C.	Newkirk, Lois Elanie	D.C.
Nance, Ella Dunlap	S.C.	Newman, Jack Benton	
Nannetta, Guillermo	D.C.		
Napier, Frances Marguerite	D.C.		
Nash, M. Eleanor	D.C.		
Nash, William Henry	D.C.		

Newman, Lillian	Conn.	Northrop, Mary Ruth	Va.
Newman, Margaret Koelan	Ala.	Norton, Helen Ryan	D.C.
Newman, Philip Charles	N.J.	Norton, Margaret Bell	D.C.
A.B. 1938, A.M. 1940, Ph.D. 1943.		Nosal, Walter Stanley	Pa.
Columbia University		Nuse, Virginia Ruth	W.Va.
Newman, Sanford Bernhart	Md.	Nostadt, Valentine John	D.C.
B.S. 1936, Long Island University		Notary, Marietta Bertha	Ohio
A.M. 1941, The George Washington		A.B. 1942, The George Washington	
University		University	
Newquist, Noel Clayton	Kans.	Novak, Ralph J.	D.C.
Newton, Helen L.	Kans.	Nowak, Leopoldina Antonie	D.C.
Nicalo, Ruth E.	Pa.	Nowell, Henry Stubbs	D.C.
Nichols, Charles Chester	D.C.	Nowlin, Sally Shadwick	D.C.
Nichols, George Henry	Md.	Noyer, Richard Everett	D.C.
Nichols, John H. B.	N.Y.	Nunley, William G.	D.C.
B.S. 1943, Davis-Elkins College		A.B. 1940, Marshall College	
Nichols, John Salom	D.C.	M.S. 1942, Syracuse University	
Nichols, Maurine A.	D.C.	Nunn, Guy Theodore	D.C.
Nichols, Phyllis Annette	D.C.	A.B. 1947, Occidental College	
A.B. 1942, The George Washington		A.B. 1949, Oxford University	
University		(England)	
Nickel, Dorothy Eva	Calif.	Nunn, Jeanne Marie	D.C.
Nickell, George Thomas	Wash.	A.B. 1947, University of Michigan	
A.B., LL.B. 1930, University of		Nye, Selden Spencer	Tex.
Washington		A.B. 1924, A.M. 1926, Harvard	
Nickels, Sarah Ada	Va.	University	
Nicodemus, William Harmon	D.C.	Nye, Therese Gloria	D.C.
B.M. 1924, Baldwin-Wallace College		Nylen, Edward Warren	Md.
A.M. 1930, Columbia University		B.S. 1942, University of Maryland	
Niedermayer, Harry	N.Y.	Nyman, Wilbur Edward	D.C.
Niedermayer, Pearl C.	N.Y.	Nyquist, Muriel Margaret	D.C.
Niedzwiecki, Genevieve J.	Mass.	O	
Nielsen, Jean Kelly	Va.	Oakley, Lawrence Charles	D.C.
B.S. 1930, A.M. 1942, The George		Oakley, Loretta Mary	Ohio
Washington University		Oberg, Mildred Elenon	D.C.
Niemi, Victor E.	N.Y.	O'Brien, Janet M. S.	Va.
Nierenberg, Leonard D.	Pa.	A.B. 1929, University of Wisconsin	
Niesen, Emil Thomas	Pa.	Oberg, Edna Louise	Nebr.
B.S. 1934, University of Scranton		Oberlander, Kathryn Jane	Pa.
Nigon, Joseph	Minn.	A.B. 1942, Wilson College	
B.S. 1939, College of St. Thomas		Oberlander, Walter Joseph	N.Y.
Niklewicz, Elizabeth J.	D.C.	Oberlander, Raymond Carl	Mass.
Niksen, Rose Gloria	N.Y.	O'Boyle, Agnes Kathryn	D.C.
Nimetz, Irene	D.C.	O'Boyle, Helen Therese	Pa.
Nipper, Ruby Louise	Tenn.	O'Brien, Bonny Rita	S.D.
A.B. 1936, Milligan College		O'Brien, Eleanor Keady	Kans.
Nisbet, Lucille Reid	N.C.	B.S. 1929, University of Colorado	
Nisswonger, Joseph Kingdon	Ohio	O'Brien, Elizabeth Mary	D.C.
Nix, James Charles	Ala.	A.B. 1942, Dartmouth College	
B.S.C. 1943, University of Alabama		O'Brien, Frances Helen	Va.
Nixon, Florence Guild	Va.	O'Brien, Harry Martin	D.C.
Nixon, Xenophon Frank	D.C.	O'Brien, James Dennis	Iowa
Noble, Ben Paul	D.C.	O'Brien, Jean Catherine	La.
Noble, Doris M.	D.C.	O'Brien, Joseph Felix	Minn.
Noell, Virginia Katherine	D.C.	O'Brien, Mary Virginia	Va.
Nolan, Catherine Anne	N.E.	O'Brien, Tille	N.D.
Noone, Eleanor Marie	D.C.	O'Brien, Paul A.	Md.
Nord, Gunborg	N.Y.	O'Brien, Margaret Claudia	D.C.
Norr, Marriner Krumm	D.C.	A.B. 1944, The George Washington	
Norris, Donald Arthur	N.Y.	University	
A.B. 1942, University of Rochester		Oelshlager, Robert William	Minn.
Norris, Edith Tipton	D.C.	O'Connell, Frances D.	Mich.
Norris, Kalliope Cleo	D.C.	B.S. 1937, University of Detroit	
Norris, Laura May	D.C.	O'Connell, James Fredrick	S.C.
Norris, Mary Theresa	D.C.	O'Connell, John Joseph	Mass.
North, Doris Griffin	D.C.	O'Connell, Kathleen Lucille	N.Y.
A.B. 1938, University of Kansas		O'Connell, Mary Ellen	D.C.
North, Robert Hugh	Wis.	O'Connor, Adele Rue	Wis.
North, Stanley Underwood, Jr.	N.J.	O'Connor, Isabelle	Kans.
A.B. 1942, Colgate University		O'Connor, William E.	Mass.
North, Victor	D.C.	A.B. 1942, Brown University	
A.B. 1930, A.M. 1940, University		Oden, Lois Thompson	D.C.
of Kansas			

Oden, Marjorie Ann	Minn.	Orme, Lois Kathryn	Pa.
O'Donnell, James Edward	R.I.	Ormsby, Edmund B. W.	Pa.
Ph.B. 1941, Providence College		Orndell, Mary Ann McCann	
O'Donnell, John P.	D.C.	A.B. 1942, The George Washington University	Pa.
A.B. 1942, University of Scranton		Orndorff, Nora Lee	
O'Donnell, M. Gertrude	N.Y.	B.S. 1928, A.M. 1939, Columbia University	Pa.
O'Donnell, Sarah Helen	D.C.	Orndorff, Orpha Gnetta	
Oesterling, Myrina Jane	Ill.	O'Rourke, Grace Mary	
A.B. 1939, M.S. 1941, University of Illinois		A.B. 1942, Queen's College	
Offield, Patricia Lew	Calif.	O'Rourke, Nancy Jane	
A.B. 1936, University of California		Orr, Patricia	
Ogburn, Betty Ruth	S.C.	Orsinger, William Hubert	
Ogden, Mary Anderson	D.C.	B.S. 1941, Catholic University of America	
Oglesby, Robert Dorsey	D.C.	Ortiz, Frank Vincent, Jr.	
B.S. 1941, University of Pennsylvania		Ortley, Harry Melvin	
Oglesby, Sam Walker	Ga.	B.S. 1938, University of Kansas	
Ogden, Blanch Marietta	D.C.	Orwick, Carmen Ault	
Ogis, Shirley	D.C.	Osano, Edward William, Jr.	
O'Hearn, Thomas Francis	D.C.	B.M.E. 1949, Rensselaer Polytechnic Institute	
Oksher, Melvin R.	D.C.	Osborn, Dolores Hazel	
Oklander, Harry	Ill.	Osborn, Eleanor Russell	
Oldaker, Hazel L.	D.C.	Osborne, Barbara Vonne	
A.B. 1942, The George Washington University		Osborne, Norma Sue	
O'Leary, Mary Jean	D.C.	Osgood, Elliott Dayton	
Olekso, Rose	N.Y.	Oskin, Jessica	
Olin, Alice Ida	D.C.	Oster, Phyllis Ann	
Oliver, John Harry	N.C.	Ostman, Helen Edith	
Oliver, Anne R.	Md.	A.B. 1941, Swarthmore College	
A.B. 1944, Goucher College		Oss, Anna Dolores	
A.M. 1945, Smith College		Ost, Walter Martin	
Ph.D. 1942, Cornell University		Ostall, William Allen	
Oliver, John Edward	Va.	B.S. in E.E. 1940, Ohio University	
Oliver, Louise Lee	N.Y.	Osterlund, Marjorie King	
Oliver, Maudie Elizabeth	N.C.	Osterneth, Helen	
Oliver, Marquerite Love	Wash.	A.B. 1926, Victoria-Luise Oberreale Studien Anstalt (Berlin)	
Olken, Hyman	Mass.	M.S. 1942, Columbia University	
A.B. 1920, A.M. 1910, Harvard University		Osthal, Ellen Kristina	
Olmsted, Alice Louise	Va.	Ostow, Miriam Furst	
Olsen, Benjamin Cowley	D.C.	A.B. 1939, Hunter College	
Olsen, Eugene Gustav	D.C.	M.S. 1943, Columbia University	
Olsen, Lynn Tompkins	La.	Ostrander, Russell Searle	
Olshaker, Bennett	D.C.	B.S. in E.E. 1940, Case School of Applied Science	
A.B. 1943, The George Washington University		O'Sullivan, Frances Stella	
Olson, Carlons LeRoy	D.C.	O'Toole, Ursula Elizabeth	
Olson, Esther C.	N.D.	Ottang, William Joseph	
Olson, Louile May	Md.	Oumano, Leo	
Olson, Thelma Marie	Calif.	Overall, Zan	
Olsson, Mary Louise	D.C.	Overman, John Paul	
O'Melveny, Dorothy Walker	Tex.	B.S. 1940, A.M. 1941, Indiana University	
Oncken, William, Jr.	Va.	Owen, Betty Dubberly	
B.S. 1944, Princeton University		Owen, Marjorie Louise	
Onderdonk, Eleanor May	Ala.	B.S. 1942, Mary Washington College	
O'Neal, Mary Hamilton	D.C.	Owen, Una Virginia Pearey	
O'Neill, Frlby Dickerson	Va.	Owen, William Everett	
O'Neill, Edward	P.R.	B.S. in E.E. 1942, Louisiana State University	
O'Neill, Helen Marie	Md.	Owens, Dorothy Andrews	
O'Neill, Hugh	Va.	A.B. 1942, Cornell University	
O'Neill, Thomas Francis	Va.	Owens, E. Watson	
Ph.B. 1908, Yale University		Owens, Louise Virginia	
Onisko, Irene	W.Va.	Owens, Marjorie Rita	
Oppenheimer, Lenore Sallie	D.C.	Owens, Robert Keith	
Orben, Phyllis Mildred	Pa.	Ozier, Leslie Grady	
B.S. 1940, Pennsylvania State College			
Ordan, Alma	N.Y.		
Orear, Audrey Tompkins	Md.		
A.B. 1942, The George Washington University			
O'Reilly, Louise Doniphan	D.C.		
Orem, Jean Resh	Md.		

P		
Pacetti, Emmett William		Minn
Pachenker, Sylvia Gorschma	D C	D C
Packard, Howard Merrill	D C	Calif.
B.S. 1932, Northwestern University	Ill	D C
Packwood, Downer B	D C	Mich
Padder, Margaret Mary	D C	Maine
Padeniskus, Walter Venskus	D C	D C
Padgett, Adeline	Maine	
A.B. 1912, Columbia College	S C	
Padilla, Esteban		D C
A.B. 1947, Duke University	P.R.	
PAGE, John Wallace, Jr.		
A.B. 1920, A.M. 1931, Ph.D. 1933, Columbia University	D C	
Page, Merry E.		Ohio
Page, William Lee	D C	Va
A.B. 1942, The George Washington University	Va	D C
Pagter, Elizabeth Eugenia		Va
Pai, Inez P. S.	D C	Mid
A.B. 1943, The George Washington University	D C	D C
Paine, Richard Porteous		W Va
Painter, Eleanor Margaret	Va	
Painter, Lydia Murrell	Pa	N Y.
Pallansch, Elizabeth Ann	D C	
Pallansch, Margaret Mary	D C	Tex
A.B. 1940, Trinity College	D C	Canada
Pallata, Elizabeth Mary	D C	D C
Palmer, Frank Conrad, Jr.	Vt.	N C
Palmer, Grace Crosswell	Va	
Palmer, Jean	Mid	
Palmer, Madie	D C	
Palmer, Mary Evans	Miss	D C
Palmer, Patricia Anne	Calif.	Ind
Palmer, Richard Emery	D C	N C
Palmer, William Colston	D C	
Palmer, Douglas Edward	Mid	
Palmer, Florence Elizabeth	Mid	
Palmer, Alfred Fredrick	Va	
Palstove, Janet Laura	N Y	
Palsok, John	D C	
Palt, Anne	Mich	
Pantol, Clare Winifred	D C	
Pappas, Antonia Nina	N Y	
Pappas, Anne Ernest	D C	
Parasiss, Margaret B.	Mich	
Paraskevus, John Immanuel	Pa	
Parley, Bevelley Brooks	D C	
Parcamerit, Sol Israel	D C	
Parham, Lillian C.	D C	
Parisella, Henry Joseph	D C	
Park, Helen Dorothy	Va	
Parker, Barbara	Va	
Parker, Clarence Odell	Va	
Parker, Edith H.	Tex	
Parker, Edna Lydia	Tex	
Parker, Harriet Low	Va	
Parker, Henry Clay	D C	
Parker, John Elliott	D C	
Parker, Ralph O.	D C	
Parkhurst, Doris Jean	Mich	
B.S. 1943, Western State Teachers College, Michigan	D C	
Parkin, Rosemary G.		
A.B. 1942, St. Louis University	Mid	
Parkinson, Deborah Farrell		
Parks, Albert Benning	Mid	
A.B. 1943, The George Washington University	D C	
Parks, Alice Ruth		D C
Parks, Patricia Elinor	D C	Mich
Parmeter, Margaret Anne		
Parish, Myra Edward		
Parish, Earle Clokey, Jr.		
Parish, Evelyn May		
Parrott, Ruth Mildred		
Parsons, James Ban		
Partello, Melville Cochran		
B.S. 1916, United States Naval Academy		
Partello, Sabina Conlin		
B.S. 1914, University of Southern Calif.		
M.S. in S.W. 1947, Catholic Uni- versity of America		
Pasley, Gale Glenn		Ohio
Pasmore, Elsie Xavier		Va
Pastore, Michael William		D C
Pasomaster, Gene Gressman		Va
Patten, Maurice Joseph		Mid
Pattas, Phyllis		D C
Patterson, Analee Frances		W Va
A.B. 1947, West Virginia University		
Patterson, Donald Mackelvy		N Y.
B.S. in C.E. 1940, Bucknell Uni- versity		
Patterson, Doris Frances		Tex
Patterson, Ellen May		Canada
Patterson, Harold Eugene II		D C
Patterson, James Read		N C
B.S. 1939, Davidson College		
A.M. 1941, Duke University		
Patterson, Priscilla Ann		D C
Patterson, Wilma C.		Ind
Pattson, Betty Barker		N C
B.S. 1940, Appalachian State Teachers College		
Patten, Dorothy Agnes		D C
Patten, Nathalee Isabel		Ill
Paul, Eudell George		Ind
Paul, Lewis Nelson		D C
B.I. 1929, University of Missouri		
Paul, Richard H.		N Y.
A.B. 1947, Cornell University		
Paul, Richard Rea		D C
Paulk, Ann		Pa
Paulus, Evelyn		D C
Paylok, Walter		Ohio
B.S. 1943, Western Reserve Uni- versity		
Payne, Camilla Moody		D C
B.S. 1920, Mary Washington College		
Paxson, Lloyd Edwin		S D
Paxson, Robert James		Iowa
Pear, Philip		D C
A.B. 1947, The George Washington University		
Pearce, Florence Watkeys		Pa
Pearl, Lillian		D C
Pearle, Jean		N Y.
B.S. 1939, New York University		
Pearle, Lester		Pa
A.B. 1947, University of Pittsburgh		
Pearlman, William		Pa
A.B. 1945, Temple University		
Pearson, Ellsworth Carl		Minn
Peas, Rebbe		D C
Peck, Helen Elizabeth		W Va
A.B. 1947, Marshall College		
Peck, Wilma Claire		D C
Peckham, Josephine Frances		D C
Pedersen, Kathryn Neetgaard		Va
Pederson, Wallace Henry		Minn
Peeke, Eleanor V. C.		Mich

Peeke, Raymond Greer	Mich.	Peterson, Roy Herbert	D.C.
A.B. 1917, Park College		Petrarca, Adela Ryman	Colo.
Peeke, William Earl	Md.	Petrarca, Frederick Anthony	Pa.
Peele, Wilfred Everett	D.C.	Petrosky, Margaret Mary	Va.
Peeler, Mary Lou	Tex.	Petsch, Herbert A.	D.C.
Peimann, Eather E.	S.D.	Pettev, Mary Elizabeth	N.J.
Peisner, Arthur A.	D.C.	Pettit, Walter Fitch	
Pelissier, Gertrude Anne	Mass.	A.B. 1941, Princeton University	D.C.
Pelto, Roy Elmer	Minn.	Petty, Bernard Leov	Md.
Pelton, Russell Gilbert	Va.	Piennis, Herbert Oscar	
B.S. in E.E. 1935, Syracuse University		B.S. 1944, University of Pennsylvania	D.C.
Peltz, Maxine Jane	Pa.	Pfluger, Dorothy Arline	W.Va.
Pendergrass, William Roper	S.C.	Phelan, Catherine E.	
B.S. 1942, Furman University		A.B. 1936, Clarke College	Ohio
Pendleton, Constance Barton	Va.	Phelps, Norman P.	D.C.
Peele, Jane Evans	Tex.	Phelps, Wallace Nathan	D.C.
B.I. 1939, University of Missouri		Phelps, Cecelia	D.C.
Penn, Arthur Allan	D.C.	Phelps, Clara Leona	D.C.
Penn, Bedford Frederick	Va.	Phelps, Cynthia Anna	Me.
Penn, Eunice Ray	Va.	Phelps, Darnell Dorothy	N.C.
Pennebaker, Amelia L.	D.C.	B.S. 1939, Western Carolina Teachers College	
Pennebaker, Joseph Edmund	N.Y.	Phillips, Elsie Mary	La.
Pennington, Carroll Murry	D.C.	B.S. 1935, Louisiana State University	D.C.
Pennington, Claude Mitchell	Ark.	Phillips, Howard Matthew	
Pennyan, Lola	Mass.	B.S. 1942, Wilson Teachers College	
Pepmeier, Anita Wilhelmina	Va.	A.B. 1943, The George Washington University	
B.S. 1940, Mary Washington College		Phillips, Jack Randolph	Va.
Pepper, Marion Barton, Jr.	D.C.	Phillips, Joseph L.	Tex.
Percival, William Roy	Tex.	A.B. 1943, The George Washington University	
Percy, Jeanne Duckertson	D.C.	Phillips, Lloyd James	Md.
Percy, Morgan F.	N.Y.	Phillips, Mary G.	Nev.
Pere, Alice Louise	Va.	A.B. 1943, The George Washington University	
Perkey, Madeline M.	W.Va.	Phillips, Matthew Raymond	D.C.
Perkin, Donald Keith	Colo.	Phillips, Robert Thomas	D.C.
Perkins, Alfred William	Md.	Phillips, Roberta Jane Bryant	Ill.
Perkins, George W. Jr.	N.Y.	Phillips, Seymour Fred	Va.
Perkins, Helen Audrey	D.C.	Phillips, Susan Mina	D.C.
Perkins, John Walter	Canada	Phillips, Thomas LeRoy, Jr.	D.C.
Perkins, Maurice Fred		Phillips, Virginia Scott	Mass.
A.B. 1939, University of British Columbia		Phillips, Z. Doris	
Perkins, Ruth E.	N.C.	Phonney, Barbara Elizabeth	D.C.
Perkins, Virginia Fider	D.C.	A.B. 1937, Wellesley College	Pa.
Perlman, Helen Sylvia	D.C.	Phipps, Lester Earl	
Perlmutter, Helen S.	Pa.	Picciochi, Esther Camilla	
Peros, George Peter	D.C.	B.S. 1930, Marywood College	
A.B. 1946, The George Washington University		Pick, David	Va.
Perrus, Harry James	D.C.	LL.B. 1941, De Paul University	Ont.
Perrazzo, John	N.Y.	Pida, George	
Perry, Edna B.	D.C.	Pierce, Alnonsa	Fla.
Perry, Elizabeth J.	D.C.	B.S. 1941, Oregon State College	Va.
Perry, Jesse Parker, Jr.	N.C.	Pierce, James LeRoy	Mass.
Perry, Lois Adah	S.D.	Pierce, Marie Reynolds	Va.
Perry, Mary Hawley	S.D.	Pierce, Richard Herd	D.C.
A.B. 1935, Augustana College		Piercy, Charles Thomas	
Perry, Priscilla Wood	Va.	Pierpont, Mabel Eva	
Pertsch, Joseph Louis	D.C.	B.L. 1910, University of California	W.Va.
Perwin, Marion	N.J.	A.M. 1928, The George Washington University	Md.
Peter, George Peter	D.C.	Pierson, Edith D.	
A.B. 1947, The George Washington University		Pierson, Edith Isabel	
Peters, Dorothy Jane	D.C.	Pijon, Jane Woodhouse	Md.
Peterson, Agne Lois	Iowa	A.B. 1936, Bennington College	Ga.
Peterson, Betty Ruth	D.C.	Pike, Sara Bernice	Fla.
Peterson, Bonnie Lee	D.C.	Pillman, Imogene Martha	D.C.
Peterson, Eunice Evelyn	R.I.	Pilson, Pauline Mae	
Peterson, Forrest Harold	Va.	Piltch, Helen	
A.B. 1946, Gustavus Adolphus College		Pinard, Therese Julienne	
Peterson, Kenneth Roy	Calif.		
Peterson, Pelly	Iowa		
Peterson, Robert Lenus	Kans.		

Pinching, Gladys Dorothy B.S. 1940, The George Washington University	D.C.	Poole, Catherine Esther	D.C.
Pincock, Dee Whitford		Poole, Catherine Mitchell	Md.
Pineas, Louis H.	Idaho	Poole, Don Keith	Ky.
Pineiros, Luis R.	N.Y.	Popham, Valerie Lee	Va.
Pines, Samuel	Florida	Popko, Stanley Charles	N.Y.
Ping, Audrey Lucille	D.C.	Popovich, Eva Mary	Conn.
Pinkerton, Cecil	Tex.	Porotto, Fortunato	D.C.
A.B. 1942, Texas Technological College	Va.	LL.B. 1936, The George Washington University	
Pinn, Samuel, Jr.	N.Y.	Portas, Rose Marie	Panama
B.M.E. 1941, College of the City of New York		Portch, Joseph Harry	Va.
Piper, Doris A.		B.S. in C.E. 1945, The George Wash- ington University	
B.S. 1937, Iowa State College of Agriculture and Mechanic Arts	Tex.	Porter, Douglas K.	La.
M.S. 1942, Purdue University		B.S. 1923, Tulane University	Maine
Pipino, Nicholas John	Va.	Porter, Ruth Florence	D.C.
Pippel, Frances	D.C.	Porter, Stephen Leonard	D.C.
Pirie, Barbara C.	D.C.	Posey, Myrtle Catherine	
Pirilla, Genese Vincent	Va.	A.B. 1941, A.M. 1943, The George Washington University	D.C.
Piskaren, Eugene Vladimirovich	D.C.	Posner, Irene	D.C.
Pistornia, Louis John	Va.	Poston, John William	D.C.
Pitchford, Harry Duval	Md.	Postow, Isaac Arnold	N.Y.
Pitman, Park Wane	Tex.	Potrafke, Bill Arthur	Mich.
Pittsford, Clayton Lawrence	D.C.	Potretzke, Marian Henrietta	Wash.
Piver, Julius Samuel	D.C.	Potter, Helen Anne	Md.
Pizatella, Carman James	D.C.	Potter, Letha D.	Mo.
Pizer, Samuel	W.Va.	Potter, Ralph E.	D.C.
Plack, Adolf Herman	D.C.	Potter, Stanley Eugene	D.C.
Platt, Rae Hurlburt	Md.	Potts, Ida Olivia	Pa.
Platt, Roslyn	N.Y.	Potts, Roberta G.	Ark.
Plazek, Hilda Dorothy	D.C.	Powell, Alice Windsor	Md.
Plazek, Margaret E.	Pa.	A.B. 1939, University of North Carolina	
Plowman, Dorothy Anne	Mo.	Powell, Diana Kearny	N.J.
Plumb, Rosemary Dengler	D.C.	Powell, George Livingstone	Pa.
Plunkett, Ray Franklin	Va.	LL.B. 1948, The George Washington University	
A.B. 1941, Emory University		Powell, John M.	Tenn.
Podbielmak, Thaddeus	N.Y.	Powell, Louise H. C.	D.C.
Pohl, Helen O.	Tex.	A.B. 1943, The George Washington University	
Pogorelsky, Irene A.	D.C.	Powell, Mabel	D.C.
Polin, Abraham	N.Y.	Powell, Mary Avis	Pa.
Polin, Martin	Calif.	Powell, Mary Kenneth	D.C.
A.B. 1939, Stanford University		A.B. 1927, Agnes Scott College	
Polizon, Irene	D.C.	A.M. 1929, Columbia University	
Pollacio, Frances Florence	N.Y.	Powell, Merrill Moseley	D.C.
Pollack, Jerome Lee	D.C.	Powell, Wallace Fuller	Tex.
Pollack, Robert Eli	N.Y.	Prater, Homer Virgil	D.C.
B.S. 1949, New York University		Prather, Charles DeVault	D.C.
Pollack, Samuel	D.C.	Prather, Elbridge Crawford	Va.
Pollock, Barbara Ann	Iowa	Prather, John Lyle	D.C.
Pollock, John Francis	W.Va.	Pratt, Alma	D.C.
Pollock, John Rogers, Jr.	Okla.	B.S. 1930, Wilson Teachers College	
Pollock, Milton	Conn.	Pratt, Ethel Josephine	Md.
B.S. 1940, Yale University		A.B. 1925, Beloit College	
Pomerantz, Frances Mary	N.Y.	Preece, Edmond Francis	Md.
Pomerantz, Frank	N.Y.	Preisser, Dorothy Corrie	D.C.
B.B.A. 1938, College of the City of New York		Preisser, Warren Godlieb	D.C.
Pomerantz, Jacob	N.Y.	A.B. 1943, The George Washington University	
A.B. 1942, The George Washington University		Prentice, James Harvey	D.C.
Pond, Hartley Linwood	Maine	Prentiss, Catharine Watkins	D.C.
B.S. 1942, University of Michigan		Presbiter, Shirley Helen	D.C.
Pond, Patricia	Va.	Pressman, Rose	D.C.
Pond, Perry Ann	Md.	Pressman, Saul	N.Y.
Pondrom, Ruth de Lyon	Tex.	B.M.E. 1941, College of the City of New York	
A.B. 1938, A.M. 1942, University of Texas		Preston, Marguerite C.	D.C.
Ponton, Paul Evans	D.C.	Preston, Ruth Evelyn	Mich.
Pool, Genevieve Lee	Va.	B.S. 1936, M.S. 1941, Michigan State College	
B.S. 1940, Madison College			
Poole, Anna Mae	Va.		

Prevo, Goldia L.	Ill.	Rado, Alan Rudolph	Me.
Price, Anahouise C.	D.C.	Raffel, Sherman Carl	Pa.
Price, Charles Clinton	Md.	Rafferty, Jeanne Marie	N.Y.
Price, Clifford Woodrow	Ohio	Rafsky, Selma Chafers	N.Y.
A.B. 1939, Ohio State University		A.B. 1938, Hunter College	
Price, Edgar Elmer	D.C.	Rafsky, William Lawrence	
B.S. 1940, University of Rochester		B.S. 1940, College of the City of	
Price, Elizabeth Sherwood	Ohio	New York	
A.B. 1940, Denison University		Rai, Doris Mongol	
Price, George W.	D.C.	B.S. 1935, Temple University	
Price, Grace Rose	Kans.	Raimo, Finn I.	
Price, John Wellington	D.C.	Raines, S. Shirley	
Price, Lelia Shepherd	D.C.	Ramey, Alice Virginia	
Price, Lloyd Malcolm	W.Va.	Ralph, Marie Louise	
Price, Loyd Mack	Ark.	Ramirez, Anita	
Price, Marvin Austell	Va.	Ramirez, Julio Rafael	D.C.
Price, Richard Royer	Ohio	B.S. 1941, Institute Nacional, Panama	
A.B. 1941, Ohio State University		Ramm, Eugene Ernst	Pa.
Price, Sylvia Wayne	Calif.	Ramos, Hilda	
Price, William Baker	S.C.	Randall, Eugene Goodson	
A.B. 1938, Furman University		Randall, William Eddy	
Price, William Edgar, Jr.	Md.	Randel, Hugh Wayne	
Prichard, Robert Williams	N.J.	B.S. 1942, University of Oklahoma	
Primm, Dorothy Phyllis	D.C.	Randle, Margaret Keeling	
Prince, Betty	S.C.	Randolph, Dorothy G.	
Prichard, Edgar Anthony	Conn.	Rands, Robert Lawrence	
Pritchard, Margaret Eleanor	D.C.	Range, Blanche Vandalia	
Pritchett, Earl Wallis	D.C.	B.S. 1933, East Texas State Teach-	
Pratt, Patricia Sherwood	Va.	ers College	
Procter, Spencer Parker	Va.	Rangers, Nancy Aline	
Proctor, Mary	D.C.	Rankin, Joseph Eugene Francis	
Prokopovitch, Imelda Doris	Md.	B.S. 1942, Catholic University of	
Prosen, Edward Joseph	Minn.	America	
B.S. 1948, A.M. 1941, The George		Rankin, Marine Mary	
Washington University		Rapacki, Stephen Juan, Jr.	
Prosterman, Albert Matthew	Ill.	Raphael, George	
A.B. 1948, University of Illinois		Rapp, Margaret Mary	
Proudfman, Ruth Merriam	Conn.	Rappaport, Harry Burnett	
Proutt, Mary Frances	Ala.	Rappaport, Paul Julian	
Pry, Evelyn Virginia	Ohio	B.S. 1943, College of the City of	
Pryor, Helen Shuman	Va.	New York	
Przytycki, Virginia M.	Mass.	Rask, Philip Curtis	
Puck, Annabel Sabler	D.C.	Rast, Carolyn Frankrum	
Pursell, James DeWitt	Ga.	B.S. 1940, The George Washington	
Purbay, James Arnold	La.	University	
A.B. 1938, Louisiana State University		Ratchner, Elizabeth	
Purnell, James M. Iren	Ohio	Rateman, Cyril Lenatus	
Purnell, Joseph Hugh	D.C.	Rathburn, Elizabeth V.	
Portell, Stephen James	D.C.	Raum, I. Earl Marvin	
A.B. 1943, Pennsylvania State College		Rau, Shirley Emily	
Poryear, Frances Elizabeth	Md.	Raut, Anna Caroline	
Poryear, Rita Vermillion	Va.	B.S. 1939, University of Illinois	
Poscheck, Dorothy Viera	Ohio	Raven, Fritjof Andersen	
A.B. 1940, MacMurray College		A.B. 1934, A.M. 1939, University	
		of Washington	
Q		Rawlings, Maurice Searles	
Quisenberry, Virgi Lee	Va.	Ray, Donald Pace	
Quatt, Barbara MacFarley	Va.	A.B. 1941, University of Colorado	
Quigley, Thomas Albert	Miss.	Rayburn, Reba Christy	
A.B. 1941, University of Mississippi		A.B. 1939, Oberlin College	
Quinlivan, Rose Anna	N.Y.	Raymond, Barbara Jane	
Quinn, Edwin Joseph	Neb.	Raymond, Donald Evans	
Quinn, George W. Ashfield	Md.	A.B. 1942, University of Oklahoma	
Quinn, Robert Walker	D.C.	Raymond, John	
Quirin, Dorothy Mary	Pa.	Raymond, Margaret C.	
		Raymond, Raymond C.	
R		Rea, Edward Like	
Rabe, Marjory E.	Wis.	A.B. 1942, University of California	
Rabinovich, Joseph	N.Y.	Rea, Eloise Arnold	
Rabinowitz, Joseph Edward	N.Y.	Read, Jeanne Elinor	
Rabinowitz, Richard Leon	N.Y.	Reading, Patricia Jane	
Rabon, Orah A.	Okla.	Relis, Miriam Treisman	
Raderman, Maurice William	D.C.	A.B. 1942, Brooklyn College	

Rennlein, Madeline Kinter Ph.B. 1929, University of Chicago	Va.	Richter, Helen Teresa	Md.
A.M. 1932, Columbia University		Richter, Stephanie	Va.
Ph.D. 1933, Sorbonne University		Richardson, Fred Wilson	Md.
Reitro, Robert Ames		Rickett, Isabelle Mary	Tex.
Reineke, Amy	Va.	Rickmond, Betty Bayley	N.C.
Reineke, Ruth	Minn.	Rickmond, Frances Lucille	N.C.
Reisch, Shirley Lee	Minn.	Ridell, Grace Isabel	D.C.
Respass, Frances Buff	D.C.	Ridell, Meta Mason	D.C.
Roster, Frederick Turner	D.C.	Riddle, Blanche Teague	D.C.
Routhbeck, Pauline	D.C.	Ph.B. 1916, Elon College	
Reynolds, Dana Drummond	D.C.	Rideoutte, Emily Read	N.C.
A.B. 1930, West Virginia University	W.Va.	A.B. 1928, University of North Carolina	
Reynolds, Mary Gertrude		Ridgeway, Jesse	D.C.
A.B. 1943, Wellesley College	Mass.	Ridgway, Stuart Langfellow	N.Y.
Rhematis, Minnie Mae	Wis.	Riegger, William Joseph	Pa.
Rhine, Virginia Elizabeth	Ark.	A.B. 1942, Allegheny College	
A.B. 1943, Hendrix College		Rieser, Raymond Francis	D.C.
Rhodes, John Holdward	N.Y.	Riepma, Mary Elizabeth	D.C.
Rhodes, Leona Belle	D.C.	A.B. 1932, Vassar College	
Rice, David L.	Va.	LL.B. 1938, Kansas City School of Law	
Rice, Fannie Fay	D.C.	Ries, Elaine Flaum	D.C.
Rice, James Emmur	Va.	Rizale, Dorothy	Ohio
A.B. 1940, The George Washington University		Riley, Adah Frances	Tenn.
Rich, Edith Mynette	D.C.	Riley, Alice A.	Mont.
A.B. 1942, Trinity College		Riley, Clifton Virginia	D.C.
M.S. 1939, St. Louis University		Riley, George Dickman, Jr.	Tenn.
Rich, Edward John	N.J.	Riley, Georgia H.	Mass.
Rich, Irene Silverman	D.C.	B.S. 1936, University of Southern California	
B.S. 1940, Wilson Teachers College		Riley, James Lawrence	Mass.
Rich, William Wallace, Jr.	Va.	Riley, Katherine	Mass.
A.B. 1941, Emory and Henry College		B.S. 1928, University of Minnesota	
Richard, Varina Clare	D.C.	Riley, Lewis Alfred, Jr.	Pa.
Richards, Channing Leathers	D.C.	Rimmer, Mariorie Lewis	N.C.
M.E. 1934, Cornell University		Rinaldi, Arthur William	Wis.
LL.B. 1941, The George Washington University		Ring, Mary Virginia	Md.
Richards, Donald Alford	Kans.	Ringer, Barbara Alice	D.C.
A.B. 1940, Washburn College		Ringsdorf, Dorothy E.	Ill.
Richards, Frances Eileen	N.Y.	Ringwalt, Anna Una	Va.
Richards, Suzanne Virginia	S.C.	Rinsland, Almida	Va.
Richardson, Catherine Rhodes	D.C.	Riordan, George Thomas	Conn.
Richardson, Elizabeth Anne	D.C.	Rissner, Victor	D.C.
Richardson, Franklin Lewis	Va.	Ripley, Margaret Bernice	Nebr.
Richardson, Howard Robertson	Va.	Rippley, Euphrosine Agatha	N.D.
A.B. 1927, Elon College		Risk, Rachel	D.C.
A.M. 1932, College of William and Mary		A.B. 1943, Western Reserve University	
Richardson, Mabel Campbell	Mass.	Risley, William Linton, Jr.	Va.
A.B. 1942, Bryn Mawr College		Risman, Louis	Mass.
Richardson, Margaret Merz	D.C.	B.S. 1943, Boston University	
Richardson, Mary	D.C.	Ritchie, Marie	Wis.
Richardson, Mary Catherine	D.C.	Ritchie, Ralph Frank	N.J.
B.S. 1934, Wilson Teachers College		B.S. 1941, New York University	
Richardson, Mary Helen	D.C.	Ritchie, Robert Bolandis	D.C.
B.M. 1941, Oberlin College		Ritchie, Thomas Boyd	Conn.
Richardson, Phyllis Virginia	D.C.	B.S. 1941, New Haven State Teachers College	
Richardson, Walter Alwyn	Md.	Ritchie, Thomas Pressly	Ark.
Richeieu, Clyde Carl	Va.	Ritter, Anne	N.Y.
Richert, Gladys Viola	Va.	A.B. 1942, The George Washington University	
Richey, Alice Molyneux	D.C.	Ritter, Julius Charles	Ill.
A.B. 1943, The George Washington University		Ritz, Arlene E.	Va.
Richey, Jackie	Okla.	B.M. 1941, University of Iowa	
Richia, Rita R.	Mass.	Ritzenberg, Milton	D.C.
Richman, Sidney	N.Y.	Rivers, Ruth Irene	Tex.
B.C.E. 1940, College of the City of New York		Ravlin, Benjamin	N.Y.
Richmire, George Lowal	D.C.	A.B. 1942, Bryn Mlyn College	
M.S. 1928, Columbia University		Rixey, Charles Osborn	D.C.
Richmond, Evelyn Esther	Va.	A.B. 1942, The George Washington University	
Richter, Anita Frances	Mo.	Roache, M. Renee	D.C.

Robb, Eveline Inora	Okla.	Rodman, Newton	
Robbins, Mary Louise	Md.	Rodriguez, Doris McKeown	
A.B. 1934, American University		Rodriguez, Iris Anthony	
A.M. 1940, The George Washington University		Rodriguez, Lois Holmes	
Robbins, Minter Wimberly	Pa.	Roepeke, Arthur Frederick	
B.S. 1930, The Citadel		Rogers, Dorothy	
Roberson, Robert Errol	Mo.	Rogers, Elizabeth Carson	
B.S. 1943, University of Chicago		Rogers, Frances Hume	
Roberson, Ruth	Tex.	A.B. 1935, The George Washington University	
Roberson, Vera May	Mo.	A.M. 1930, Columbia University	
Roberts, Frank Stuart	Pa.	Rogers, Joanne	
Roberts, James Craig, Jr.	Va.	Rogers, John Lenzie, Jr.	
Roberts, Janet Fairley	D.C.	Rogers, Rachel Cauldwell	
Roberts, Jeanette Laverne	D.C.	Rogers, Volney Trent	
Roberts, John Joseph	Pa.	Rogoff, Mortimer	
A.B. 1930, Pennsylvania State College		Rohmann, Evelyn	
Roberts, Mary Elizabeth	D.C.	Rohrback, Harold W.	
Roberts, Mary Elizabeth	Va.	Rohrbaugh, Phyllis Josephine	
Roberts, Natalie	D.C.	Rohrer, Ruth Anne	
Roberts, Pauline	Ind.	Roig, Evelyn	
Roberts, Richard Mansfield	Va.	Rollins, Dorothy Naomi	
Roberts, Sarah Elizabeth	Calif.	Rolston, Elizabeth	
A.B. 1931, University of California at Los Angeles		B.S. 1926, Madison College	
B.S. in L.S. 1932, University of Washington		Romaine, Frank Cleland	
A.M. 1910, The George Washington University		B.S. 1942, Trinity College	
Roberts, William Wesley, Jr.	Ark.	Romanoff, Melvin	
LL.B. 1930, Washington College of Law		Romeo, James John	
Robertson, Elma Henning	Calif.	Romeo, John Joseph	
A.B. 1915, College of the Pacific		Ronkin, Harriet Olive	
Robertson, Mary Anna	Ala.	A.B. 1941, Radcliffe College	
Robidas, Jeannette	N.H.	Ronsaville, Marian	
Robin, Eugene Debs	Mich.	Roof, Michael Kitching	
Robinson, Amy Margaret	Pa.	Rook, Doris Mae	
Robinson, Annella Jane	Md.	Rook, Rex Louis	
Robinson, Frances Olton	Calif.	Roop, Ivan Elmer, Jr.	
Robinson, Harriette	D.C.	Root, Blake Smith	
Robinson, Joe Adams	Okla.	B.S. 1927, Monmouth College	
B.S. 1935, University of Oklahoma		A.M. 1911, University of Illinois	
A.M. 1915, The George Washington University		Roper, Jacqueline M.	
Robinson, Lois Imlay	D.C.	Ros, Raphael	
Robinson, Martha Hazell	D.C.	Rosch, Lee Julius	
A.B. 1924, Wellesley College		Rose, Charles Jules	
Robinson, Paul A.	D.C.	A.B. 1942, The George Washington University	
A.B. 1914, Allegheny College		Rose, Elaine Cecilia	
Robinson, Primrose	Ill.	Rose, Elaine Marjorie	
Robinson, Velma Mae	D.C.	Rose, Frank Singleton	
Robinson, Wilma P.	Tenn.	A.B. 1941, Syracuse University	
Roby, Maud Frothingham	Md.	Rose, Jerome Victor	
B.S. 1916, University of Maryland		Rose, John Kerr	
A.M. 1941, The George Washington University		A.B. 1928, A.M. 1931, Midland College	
Rocca, Maria Tinto	Va.	Ph.D. 1915, University of Chicago	
A.B. 1941, The George Washington University		Rose, Herbert E.	
Rockwell, Franklin Abraham	W.Va.	Rose, Lorraine Frances	
A.B. 1941, Shepherd State Teachers College		Rose, Mary Monica	
Rockwood, Ruth McMaster	Calif.	Rose, Phyllis Adelaide	
A.B. 1917, Reed College		Rosen, Geraldine A.	
Rodgers, Alice M.	D.C.	Rosen, William Herbert	
Rodgers, Edith C.	N.Y.	Rosenbaum, Gloria J.	
A.B. 1916, Ohio State University		Rosenber, Donald	
A.M. 1932, Ph.D. 1940, Columbia University		Rosenberg, Christine Leland	
Rodgers, Mary Monica	W.Va.	A.B. 1941, Vassar College	
Rodgers, Shirley Louise	D.C.	Rosenberg, Donald	
Rodin, Philip	Pa.	Rosenberg, Phyllis Ann	
		Rosenblatt, Shirley Natalie	
		Rosenblum, Eleanor Bertha	
		Rosenfeld, Lillian Anne	
		Rosenfeld, Shirley	
		Rosenhine, Ann	
		Rosenthal, Carola	
		Rosenthal, Claire	

Rosett, Anita Lillian	D.C.	Rucker, Nancy Williams	Va.
Roshkind, Arline	D.C.	A.B. 1940, Radlins College	Md.
Rosoff, Doris	Va.	Ruckman, Norris Elliott	D.C.
Ross, Albion Herbert	D.C.	Rudickoff, Morris	Ohio
A.B. 1939, Dartmouth College		Rubin, E. Jeannette	D.C.
Ross, Ann	D.C.	Ruiz, Elizabeth	N.Y.
Ross, Blanche Shirley	Va.	Ruiz, Madelene Grace	Iowa
Ross, Elaine Florence	D.C.	Rullison, Veda	Va.
Ross, Hugh Neil	D.C.	Rullman, Anne Harris	N.C.
Ross, Martha	D.C.	Rumsey, Jacqueline Wallace	Va.
A.B. 1936, Hunter College		Runsalder, Godfrey Pierpoint	Ga.
A.M. 1938, Columbia University		Rupert, Norma Morgan	D.C.
Ross, Mary Elizabeth	Md.	Rupp, Lucile Marie	Va.
Ross, Murray	N.Y.	Ruppel, Ruth	Va.
B.S. 1935, College of the City of New York		Ruppenthal, Karl M.	
A.M. 1936, Ph.D. 1941, Columbia University		A.B. 1939, LL.B. 1941, University of Kansas	Conn.
Ross, Ruslyn Pearl	Fla.	Rusch, Ruth Constance	
Ross, Ruth	N.J.	A.B. 1940, Connecticut College	
Ross, William Smith	N.Y.	LL.B. 1941, The George Washington University	D.C.
Rosser, 1943, Syracuse University		Rushton, Mary Wyatt	Ark.
Roth, William Joseph	Va.	Russell, Edwin Thomas	Ga.
Roth, Carl E.	Fla.	Russell, Fielding Dillard	
Rothbard, Eleanor	N.Y.	A.B. 1929, A.M. 1930, University of Georgia	D.C.
Rothberg, Leon	Va.	Russell, Helen Louise	Wash.
Rothgeb, Edwina Yvette	D.C.	Russell, James Burton	
Rothschild, Marianne	D.C.	B.S. 1943, State College of Washington	Va.
Rott, Robert Anthony	Ill.	Russell, James Ward	N.D.
Roudybush, Franklin	D.C.	Russell, Myrtle Ellen	Mich.
B.F.S. 1930, Georgetown University		Russell, William Fred	N.Y.
Roumel, Theodore Constantine	D.C.	Russler, William	
Rounds, Mary Anne	Va.	B.S. 1942, College of the City of New York	Nebr.
Rouse, Elizabeth Anne	Md.	Rutherford, Corinne Mae	S.C.
Roussin, M. Madelyne	Mo.	Rutledge, Anna Wells	N.C.
B.J. 1931, University of Missouri		Ryan, Elizabeth Oma	N.Y.
Roussos, Bertha	D.C.	Ryan, Jean Lorey	D.C.
Roussos, Theodore John	D.C.	Ryan, Joseph Francis	Md.
Roux, Ronaldo John	D.C.	Ryan, Joseph Neil	Va.
Rowcliffe, Caroline Gilbert		Ryan, Katherine Ann	Mass.
A.B. 1943, Mills College		Ryan, Margaret T.	Md.
Rowdybush, Jessie	Md.	Ryan, Mary Hyatt	D.C.
B.F.A. 1933, Syracuse University		Ryan, Mary Louise	Vt.
Rowland, Creelman	D.C.	Ryan, Mary R.	D.C.
A.B. 1928, Greensboro College		Ryan, Rachel Leonora	D.C.
A.M. 1942, The George Washington University		Ryan, Robert Howell	D.C.
Rowles, Mary Virginia	Va.	Ryce, Eleanor Kaye	Md.
Royall, William L.	Va.	Ryder, Oscar Otto	Va.
Royce, Charlotte Rage	D.C.	Rydholm, Marion Edith	Ohio
Royle, Betty	Md.	A.B. 1943, Swarthmore College	Mass.
Ruark, James Clay	D.C.	Rylee, Willie Yeates	
Rubar, Geraldine M.	N.Y.		
A.B. 1942, New York State College for Teachers			
Rubens, George Jack	Ill.		
B.S. in M.E. 1938, Illinois Institute of Technology		Sabatini, Edmund J.	N.Y.
Rubens, Kathryn A.	Ill.	Sabo, Anne Pauline	Pa.
A.B. 1937, A.M. 1938, Northwestern University		Sacrey, Katharine	Pa.
Rubenstein, Allan Norbert	D.C.	B.S. in Ed. 1940, State Teachers College, Slippery Rock, Pa.	
Rubens, Mary	D.C.	Sadock, Leo	Ill.
Rubens, Susie Lee	D.C.	Sacumiller, Barbara Ann	Va.
Rubin, Dora Annette	D.C.	Sacumiller, Virginia Rose	Va.
Rubin, Hannah	Va.	A.B. 1942, The George Washington University	
Rubin, Jesse	D.C.	Sager, Stiles Alma	Va.
Rubin, Samuel Benjamin	N.Y.	Sader, Marguerite	Ind.
Rubinstein, Seymour Charles	D.C.	A.B. 1941, De Pauw University	
B.M.E. 1941, New York University		St. Clair, John Louise	D.C.
Ruble, Helen Valeska	Miss.	St. Clair, Margaret Edna	D.C.
Ruble, Olive Meste	Okla.	St. Clair, Nell Ernest	D.C.
Rucker, Frances Norton	D.C.	St. Martin, Shirley M.	La.

St. Omer Roy, Josephine Rhea	Va.	Stardfield, Frances Helen	NY
St. Onge, Germaine Marie T.	Canada	Scharril, Betty	D.C.
Saeter, Dorothy Faye	Miss.	Schackmann, Mary Catherine	Fla.
Sakes, Helen Cleo	D.C.	Schaeter, Carolyn Worth	D.C.
Salisbury, Helen Frances	Mont.	Schaefer, Rosalie	Va.
Salumul, Ernest Fredrick	Md.	Schaeffer, Thusnela R.	NY
Salus, Shirley Jeannette	D.C.	A.B. 1911, Vassar College	NY
Salus, Sydney Gordon	D.C.	Schaler, Otto Gerhard	NY
A.B. 1941, The George Washington University		Scham, Milton	Va.
Salzman, Max H.	Md.	Schamisso, Lydia	Ariz.
Samaha, Leslie Halim	Va.	Schaper, Lillie Wilhelmina	D.C.
Sambataro, Julian	D.C.	B.S. in Ed. 1930, University of Arizona	Conn.
Samet, Herman	Ill.	Schatz, Muriel Maxine	NJ
Sammis, Ethel Eversley	Md.	Schatz, Samuel Michael	Miss.
B.S. 1938, Russell Sage College		A.B. 1941, LL.B. 1942, Cornell University	Ohio
Sammon, Sara Lavonne	Iowa	Scheel, Chilton	NJ
Sammons, Robert Lee	Md.	Scheela, William Myron	Ohio
A.B. 1940, The George Washington University		Schell, Emil Daniel	Va.
Sampogna, Philomena Mary	D.C.	A.B. 1945, Hiram College	D.C.
Sanborn, Henry Norris	Md.	A.M. 1941, Western Reserve University	W.Va.
Sanchez, Benny Pete	N.M.	Schellack, Catherine Allan	Va.
Sandberg, Mary Hardester	Va.	Schellhase, Doris Irene	N.C.
Sandler, Dora	D.C.	Schellhase, Mary Elizabeth	D.C.
A.B. 1942, Radcliffe College		Schenck, Jeanne Marie	Ill.
Sanders, Elizabeth Grace	Pa.	Schenck, Joseph Samuel	D.C.
Sanders, Mary Elizabeth	La.	Schenkel, Leonard Frederick	Ill.
Sanders, Roberta Ann	Okla.	Scherf, Paul Henry	D.C.
Sanderson, Agnes I. G.	Va.	B.S. in E.E. 1938, Valparaiso University	Ohio
Sanderson, Laura Marjorie	Kans.	Scheuch, Charles Daniel	NJ
Sanderson, Marie Corrine	Fla.	Schevvaerts, Francine Louise	NY
Sandler, Julius	D.C.	Schick, Josephine Esther	D.C.
A.B. 1941, The George Washington University		A.B. 1942, Western Reserve University	NY
Sandlund, John Torsten	N.Y.	Schiff, Henry	NY
Sanduz, Mauritz Edgar	D.C.	Schiff, Morton Nathan	D.C.
Sands, Arthur Gordon	D.C.	Schiller, William Harold	Mo.
Sands, James Patrick	N.Y.	Schilling, Lorraine Edna	W.Va.
Sandusky, Bernard Mortimer	D.C.	Schlinger, Berth	Va.
Sandford, Dabene Marie	Md.	Schladstein, Eugenia Y.	Neb.
Sandford, Elizabeth Mae	Md.	Schlotmann, Mildred Lucille	D.C.
B.S. 1942, Miami University		Schloster, Dorothy Rosemary	D.C.
Sano, Anna Beck	Pa.	Schloster, William James	N.Y.
Santell, Margalene R.	D.C.	Schleske, George William	D.C.
Santor, Mary Margaret	Va.	Schloff, Margaret Pearl	Pa.
Sapin, Gertrude Gloria	D.C.	B.S. 1936, Wheaton College	D.C.
Sapp, Earle Walter, Jr.	D.C.	Schlossberg, Bennie Levanston	Pa.
Sarelao, Beatrice Delia	Md.	Schmidt, Heidi Christine	D.C.
Sargent, James Allen	Calif.	Schmidt, Albert Martin	Pa.
Sartwell, Mary Katherine Laurence	D.C.	Schmidt, Frieda D.	N.Y.
A.B. 1942, The George Washington University		Schmidt, George Earl, Jr.	Pa.
Sather, Helen Kerstin	Mich.	Schmitt, Barbara Ann	N.Y.
Sauber, Barbara	D.C.	A.B. 1942, The George Washington University	Pa.
Saulsbury, Doris Kennedy	D.C.	Schmitt, Beatrice Savant	Pa.
Saunders, Andrew Dwyer	D.C.	Schmitt, Page Marion	Pa.
A.B. 1931, Western State College of Colorado		Schmitt, Ayles Mary	Pa.
Saunders, Clarence Jordan	D.C.	Schmitt, Louise Frances	Pa.
Saunders, Margaret Eadie	D.C.	B.S. 1936, University of Minnesota	Pa.
Saunderson, Henry Dwyer	D.C.	Schmuckler, Deyron	Pa.
Saury, August Joseph	D.C.	Schneider, Bertram Alexander	NY
Savage, Elizabeth Mary	N.H.	Schneider, Ethel Louise	Pa.
Sawyer, Sally Ann	Mich.	Schneider, Julius	Pa.
Sawyer, Vera May	D.C.	Schneider, Leta Marie	Pa.
Sawyer, Calvin Parker	Ill.	A.B. 1927, Iowa State Teachers College	Pa.
A.B. 1942, A.M. 1942, University of Chicago		Schneider, Maxine Lou	Pa.
Sawyer, Fay Horton	D.C.	A.B. 1942, University of Oregon	Pa.
Sayers, Frances Kathleen	Pa.	Schneider, Robert Alexander	Pa.
Savinsky, Edith Louise	Mass.	Schupp, Mark Hite	Pa.
Scarano, Gerard John	Va.	Schuster, Leon Hermann	Pa.

Students Registered

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Schneider, Hazel Elinor	Kans.	Scott, Marian Emma	Md.
Schuber, Joseph Engelbert	D.C.	A.B. 1917, The George Washington University	
B.S. 1918, University of Illinois		Scott, Marjorie Louise	D.C.
Schoedel, Matianne	D.C.	A.B. 1911, University of Vermont	
Schoen, Edgar Jules, Jr.	Ill.	and State Agricultural College	
Schoene, Fred Carl	Wis.	Scott, Mary Emma	Va.
Scholl, James Edward	Ind.	A.B. 1920, Bernard College	
B.S. in M.E. 1934, University of Kentucky		Scott, Mildred Callaway	Ga.
B.S. in C.E. 1943, The George Washington University		Scott, Nancy Jane	Pa.
Scholl, Phoebe Kent	D.C.	Scott, Robert McNamee	D.C.
Schonhoff, Clem Cook	Mo.	A.B. 1942, University of Tulsa	
Schofield, Joseph Denny, Jr.	N.C.	Scratchley, Lucille	D.C.
Schnoppet, Charles Horace	Va.	Seal, Bruce Bernard	D.C.
Schorr, Lucille Irene	Pa.	Seabrook, Martha Rachel	D.C.
Schrag, Elmer Michael	Ill.	Seasholtz, Henry Wade, Jr.	D.C.
Schreiber, Hilida	Ohio	Seemster, Frances Pryor	Kans.
Schreiner, Edmund Douglas	D.C.	Searles, Robert Wallace	Conn.
Schroeder, Frances Ann	D.C.	B.S. 1942, Worcester Polytechnic Institute	
Schroeder, Ruth Madden	Ill.	Seemiller, Jarvis Edwin	Utah
Schrott, Norman Bernard	Va.	A.B. 1942, University of Utah	
Schubert, Coralie Williams	Kans.	Seemost, Thora Lorraine	Va.
A.B. 1915, Baker University		Seekamp, Ruth Anna	N.Y.
Schuler, John Julius	Md.	A.B. 1939, University of Michigan	
Schuler, Mabel Ann	D.C.	Seelen, Margaret Knag	D.C.
Schulkin, Morris	N.Y.	Seel, Anton Mynty	D.C.
A.B. 1939, Brooklyn College		Seel, Jack Philip	D.C.
Schule, Rowland Wingfield		Seel, Janet Meriam	D.C.
Schultz, Doris Marie	Ohio	Seel, Robert Joseph	N.Y.
Schumacher, Jack	Va.	Seel, Stanley Marvin	D.C.
A.B. 1942, The George Washington University		Seibel, Laurence Elvas	N.Y.
Schumacher, John Louis	Ill.	B.S. 1940, College of the City of New York	
Schumann, Paul	Tex.	Seibel, Melvin Harvey	Md.
Schupp, Ida Gertrude	D.C.	B.S. 1934, University of Illinois	
Schuster, Louis Frederick, Jr.	Md.	Seidemann, Sally	N.Y.
Schwamer, Zaira Ernestine	D.C.	A.B. 1942, Brooklyn College	
Schwartz, Bella	Pa.	Seiditz, Maxine Henri	N.Y.
Schwartz, Daniel E.	N.Y.	B.S. in Ed. 1935, College of the City of New York	
Schwartz, Dorothy Louise	D.C.	Seid, Mildred Beatrice	D.C.
Schwartz, Gloria Singer	N.Y.	Seid, Miriam Pearl	D.C.
Schwartz, Helen Beiger	Va.	Seid, Shirley Florence	D.C.
Schwartz, Helen Janet	D.C.	Seid, Rena Gertrud	D.C.
Schwartz, Jack	D.C.	A.B. 1934, The George Washington University	
Schwartz, Marvin	D.C.	Seidman, Harold Leonard	Mass.
A.B. 1941, American University		A.B. 1940, Harvard University	
Schwartz, Melvyn Bailey	D.C.	Seidman, James Joseph	Wis.
Schwartz, Morris S.	N.Y.	Seidman, Frank	N.Y.
B.S. 1940, College of the City of New York		Selz, Bessie	Ill.
Schwartz, Morton Julius	N.Y.	Selzer, Gladys Marian	Iowa
Schwartz, Olga Edna	Va.	Selitz, Richard Samuel	N.J.
Schwartzman, Albert Paul	Va.	Seon, Anna Irene	D.C.
Schwartzman, Florence Thelma	D.C.	Seon, Carmen Avel	D.C.
Schwartz, Edwin Paul	D.C.	Senser, Louise Pauline	Md.
Schwartz, Brett John	D.C.	Serafini, Mary	D.C.
Schwartz, Selma	N.Y.	Serova, Inessa Michaelovna	D.C.
Schwartz, Walter Gareld, Jr.	D.C.	Servas, Raymond Elias	Wis.
Schwartz, William	N.Y.	Sestak, Katherine Magdalene	Mich.
Schuchline, Mary	Ohio	Sexton, Roy Lyman	Md.
Scofield, Verdi Italo	D.C.	Sexton, Anne George	D.C.
A.B. 1943, University of Alabama		Shaffer, Maxine B.	D.C.
Sedar, Frances	N.Y.	Shaffer, Alice Janet	Iowa
Sedar, Rachel Newman	N.Y.	Shaffer, Hilary Fritner	Pa.
B.S. 1943, The George Washington University		Shaffer, Helen Louise	D.C.
Sedgum, Tarrana	D.C.	Shaffer, Clara Virginia	W.Va.
Sednick, Adolph	N.Y.	Shaffer, Dorothy Mae	D.C.
A.B. 1943, The George Washington University		Shaffer, Nettie Kerms	D.C.
Scott, Wallace Bernard	Wis.	A.B. 1942, Fairmont State Teachers College, W. Va.	
Scott, Loretta Eastman	Va.		

Shaheen, Bea J	Ohio	Sheppard, Monroe Howard	NJ
B.S. in Ed. 1943, Kent State University		B.S. 1943, University of Illinois	Va.
Shakin, Seymour Aaron	N.Y.	Shepperson, Imogene Baxter	D.C.
Shalag, William Conrad	D.C.	Sherburne, John Collia	
Shaller, Herman I	D.C.	A.B. 1941, Miami University	D.C.
A.B. 1941, Brooklyn College		Sherly, Laurence Polkinhorn	
Shalowitz, Erwin Emmanuel	D.C.	A.B. 1931, LL.B. 1936, The George Washington University	
Shamblin, Velma Lorene	Ga.	LL.M. 1937, Harvard University	Me.
Shanaltelt, Mary Corinne	D.C.	Sheridan, Edward Sylvan	Pa.
A.B. 1940, Trinity College, D. C.		Sheridan, Thomas Edward, Jr.	Pa.
Shanahan, Eileen Janet	Md.	Sherman, Bertha Antnette	
Shanahan, Kathleen Eva	Md.	B.S. 1935, West Chester State Teachers College	
B.S. 1941, University of Maryland		LL.B. 1941, The George Washington University	D.C.
Shanley, Thomas Joseph, Jr.	Pa.	Sherman, Edith	Va.
Shaper, Betty Jeanne	Calif.	Sherman, Elizabeth Carolyn	Me.
B.S. 1943, Chico State College, Calif.		Sherman, Marie	Pa.
Shapiro, Robert	D.C.	Sherman, Oliver Charles	
Shapiro, Annette Deborah	D.C.	B.S. 1937, University of Pennsylvania	D.C.
A.B. 1941, The George Washington University		Sherman, Phyllis S.	D.C.
Shapiro, Edward Shelton	D.C.	Sherman, Sidney	Iowa
Shapiro, Hilda	D.C.	Sheriff, James Edward	Tenn.
Shapiro, Inez Jane	D.C.	Sherwood, C. Wayne	D.C.
Shapiro, Leon	N.Y.	Sherwood, Ruth Elizabeth	N.J.
Shapiro, Leonard	N.Y.	Sherzer, Ira	Wa.
B.S. 1941, The George Washington University		Shestock, Lawrence George	
Shapiro, Paul	D.C.	B.S. 1940, University of Wisconsin	Pa.
Sharde, Leona Viola Florence	D.C.	Sheva, Gertrude Marie	Ont.
Sharpless, Norman Edward	D.C.	Shick, James Robert	
B.S. 1941, The George Washington University		A.B. 1940, Pacific University	Pa.
Shavell, Lillian Kolbey	D.C.	Shihadeh, William Fuad	Md.
A.B. 1942, The George Washington University		B.S. 1943, Haverford College	Md.
Shaw, Anne Marie	D.C.	Shillinger, Frances Anne	D.C.
Shaw, Daryl Winston	Md.	Shillinger, Frederick William	D.C.
B.S. in Ed. 1931, Mansfield State Teachers College		Shilzong, Frederick Nicholas	D.C.
M.S. in Ed. 1936, Duke University		Shimp, LaVernon Charles	
Shaw, Edgar Monroe, Jr.	D.C.	Shine, Lillian K	
Shaw, Frances Page	Miss.	B.S. 1931, State Teachers College, Edinboro, Pa.	N.J.
A.B. 1942, University of Mississippi		Shinn, Charles Curtis	Va.
Shaw, Harry	D.C.	Shipley, Sarah Elizabeth	Iowa
Shaw, Louise Davis	Calif.	Shipman, George Raymond	
Shaw, Louise Marie	D.C.	A.B. 1933, Simpson College	N.C.
Shaw, Marcelle Katherine	D.C.	A.M. 1938, State University of Iowa	Okla.
Shea, Louise Boudreau	D.C.	Shipman, Vernon James	D.C.
Shea, Wanda Hair	D.C.	Shipow, Betty Sherry	
Shear, Betty Jane	D.C.	Shire, Lauvita Marie	
Sheehan, John Thomas	N.Y.	Shirley, James Dallas	
Sheels, Jeanne Ruth	N.Y.	B.S. 1936, The George Washington University	Okla.
Sheeran, Robert Allen	D.C.	Shirley, Martha Loraine	
Sheets, Betty Caroline	D.C.	B.S. 1938, Central State Teachers College, Okla.	Ala.
Sheiner, Leo	N.Y.	Shiver, Mary Florine	D.C.
A.B. 1931, LL.B. 1933, Cornell University		Shneiderov, Anatol James	D.C.
Sheldon, Laura Emily	Mich.	Shnider, Isadore	N.J.
Shelton, Emma	D.C.	B.S. 1941, Wilson Teachers College	D.C.
B.S. 1941, University of Maryland		Shoemaker, Parker Torrance	Pa.
Sheneman, John R.	Md.	Shoenhair, Jack Lawrence	Tenn.
B.S. 1940, United States Naval Academy		Sholtis, Romaine Rose	Md.
LL.B. 1942, Harvard University		Shoopman, Florence Helen	Va.
Sheng, James	D.C.	Shorb, Wilbert Hanson	
B.S. 1936, National Tsing Hua University		Sievers, Mary Fairfax	
Shenard, Julia Sparkman	D.C.	A.B. 1935, College of William and Mary	D.C.
Shepherd, Anne Page	Va.	Shout, Alvin Emmett	D.C.
Shepherd, Edith Glenn	Md.	Sho, Chin Nam	N.J.
Sheppard, Mary Elizabeth	D.C.	Shoole, Evelyn Ann	
		Shoemaker, Norman Clifford	
		A.B. 1916, University of North Carolina	

Shull, Ollie				
Shulman, Edward Stanley	Miss.	Simmons, Rush Nelson		Minn.
B.S. 1942, University of Pennsylvania	Pa.	LL.B. 1923, The George Washington University		
Shulman, Irving	Md.	Simmons, Vera Blanche		N.Y.
A.B. 1937, Ohio University		Simola, Lillian		D.C.
A.M. 1948, Columbia University		Simon, Bertha Magdalene		Pa.
Shulman, Jack	D.C.	Simon, Kenneth Alan		D.C.
Shulman, Sidney	D.C.	Simon, Kenneth P.		W.Va.
Shultz, Geraldine Z.	N.Y.	Simonian, Stephen Lionel		Calif.
LL.B. 1937, LL.M. 1938, St. John's University, New York		B.S. 1940, M.S. 1940, University of Southern California		Md.
Shultz, Marguerite S.	D.C.	Simons, Barbara Alice		D.C.
Shumaker, Elias Cochran	D.C.	Simons, Jeanne Marie		Md.
Shupe, Walter Carle	Kans.	Simons, Virginia Frances		D.C.
Shurtz, Mary Elizabeth	D.C.	Simons, Catherine Virginia		Va.
Shutt, Mary Frances	Kans.	Simpson, Jeanne Marie		Wis.
Sibbett, Ruth Bentley	Va.	Simpson, Lela M.		D.C.
A.B. 1936, Cornell University		Simpson, Mary Audrey		D.C.
Sibert, William Bridaham	D.C.	Simpson, William Francis		
Siceloff, Patti	N.C.	B.S. 1920, Catholic University of America		
Sickles, Lillian	D.C.	A.M. 1922, The George Washington University		D.C.
Siddoway, John Lewis, Jr.	Utah	Sinclair, Elizabeth Jane		Md.
Sidle, Julia Eloise	Ohio	Sine, Howard William, Jr.		Tex.
B.S. in Ed. 1937, Ohio State University		Singer, Edward Jay		
Sidur, John	D.C.	A.B. 1941, The George Washington University		Ill.
Siebert, Erma Charlotte	Pa.	Sinkula, Josephine Marie		Va.
Sierichs, Helen Thornton	D.C.	Sinsabough, Ruth Ann		D.C.
Sierichs, William C.	D.C.	Sinits, Jack Eugene		N.Y.
B.S. 1943, Duke University	Ohio	Sipp, Mildred McCormack		D.C.
Sierman, Kathryn Marie	R.I.	Sire, Frank Carl		D.C.
Siewerts, Frances Elaine	Pa.	Siriborn, Marjorie		D.C.
Sigal, Hubert J.	Va.	Siron, Ruby Irene		D.C.
Singers, Edward Gregory	Va.	Sirota, Mildred Harriet		N.Y.
Singers, Kathleen Woodward	Nev.	Siskind, David I.		
Singers, Marion Collins	D.C.	B.S.S. 1928, College of the City of New York		D.C.
Singers, Richard Lawrence	D.C.	Sisler, Maurice Arthur		D.C.
Silber, Roselyn	D.C.	Sisler, Mary Madeline		W.Va.
Silberman, Seymour Harry	N.Y.	Sisson, Lucy Margaret		Ill.
Silbert, Lee	N.Y.	Sisson, Vera Anne		Va.
Silbey, Dorothy Lehman	D.C.	Sisson, James Glover		Ariz.
B.S. 1927, Wilson Teachers College	D.C.	Sivker, Elmer David		Md.
Silen, Herman	N.Y.	Sitnik, Peter Stephen		
Silk, Harry	N.J.	A.B. 1910, American University		Minn.
B.S. 1931, Newark College of Engineering		Spilseth, Maria Elizabeth		D.C.
M.S. 1943, The George Washington University		Skaggs, Brock		
Silkes, Bernard	D.C.	A.B. 1942, The George Washington University		D.C.
B.S. 1941, College of the City of New York		Skates, William Earl		Md.
Silva, Jose Luis	Cuba	Sked, Edris Claire		Md.
B.S. 1943, Villanova College		Skeen, James Nathan		Ind.
Silver, Jonas	N.Y.	Skorpan, Ann		Idaho
B.S. 1920, College of the City of New York		Skiles, James Joy		Ill.
Silver, Sophie Fashtein	N.Y.	Skinner, Edgel Carr		
Silverman, Aaron	D.C.	A.B. 1925, Ball State Teachers College, Indiana		
Silverman, Harold Lloyd	D.C.	M.B.A. 1941, University of Chicago		Mich.
Silverman, Norman	D.C.	Skinner, Harriet Woodworth		D.C.
Silverman, Pearl Klein	Md.	Skinner, Jean Katherine		Va.
Silverman, Richard Stanton	Pa.	Skinner, Margaret Lorraine		Ill.
Silverstein, Estelle	D.C.	Skinner, William Morris		Wis.
Silverstein, Susette Lee	D.C.	Skis, Hilda		Ill.
Simerauer, Hildegard	D.C.	Skisby, Otto Lee		Iowa
Simmons, Beatrice Janet	N.Y.	Skow, Helen Kathleen		Kans.
Simmons, Dorothy Jean	Wis.	Skubitz, Joseph		
Simmons, Frances Bertha	Md.	B.S. 1929, M.S. 1934, Kansas State Teachers College		
Simmons, John Rogers	D.C.	Slack, Norma R.		Ohio
Simmons, Robert William	Va.	B.S. 1927, Miami University		D.C.
B.S. 1936, University of Missouri		Slade, Marjorie Brett		

Slaff, Muriel Leidner	N.J.	Smith, Mildred Josephine	Ky
A.B. 1937, Cornell University		Smith, Milton Duvall	Va.
Slapney, Alice Elizabeth	Va.	Smith, Myrtle Agnes	D.C.
Slater, Ronald Ballard, Jr.	Calif.	Smith, Nira Oberlene	N.H.
A.B. 1943, University of California		Smith, Ollie Dalton	Ala.
Slebos, Gerard Bernard	Va.	Smith, Orval Richard	Iowa
Slifer, Walter Lloyd	Ind.	Smith, Paul Albert, Jr.	Va.
A.B. 1920, Blue Ridge College		Smith, Phyllis Elaine	D.C.
A.M. 1922, University of Chicago		Smith, Randall William	Mont.
Ph.D. 1931, University of Pennsyl-		Smith, Robert Elijah	Pa.
vania		A.B. 1934, State University of Iowa	
Sload, Philip Henry	Va.	A.M. 1943, University of Pittsburgh	Va.
Sloan, Daniel Hampton	D.C.	Smith, Robert Lee	Fla.
Sloan, Juanita Bernoline	Va.	Smith, Robert Milton	Va.
Sloane, Theodore Henry	Va.	Smith, Robert Tynes III	D.C.
Small, Florence Frances	Md.	Smith, Roger Corbin	Md.
A.B. 1936, University of Maryland		Smith, Ruby Canalle	D.C.
Smathers, Dorothy Kate	Ala.	Smith, Ruth Ellen	W.Va.
Smedley, Eunice Catherine	S.D.	Smith, Ruth Rich	
Smiley, Phyllis Pearl	D.C.	B.S. 1927, Southwest Missouri State	
Smith, Adeline Gier	Iowa	Teachers College	
Smith, Alma Marie	D.C.	A.M. 1932, University of Washington	Ariz.
Smith, Alwyn Mary	D.C.	Smith, Van Al	N.C.
Smith, Arthur Jay	Ill.	Smith, Violet Roland	Pa.
Smith, Breedlove, Jr.	Tex.	Smith, Walter	
Smith, C. Reed	D.C.	A.B. 1901, Brown University	Mo.
Smith, Catherine Louise	D.C.	Smith, Will Dan	N.C.
Smith, Charles Earl	Ohio	Smith, Wilma Verniece	D.C.
Smith, Clare F.	D.C.	Smither, Marian Alexander	
A.B. 1941, Smith College		B.S. 1914, Wilson Teachers College	W.Va.
A.M. 1942, University of Pennsyl-		Smithson, Margaret Virginia	N.C.
vania		Smithwick, Lala Frances	Miss.
Smith, Doris June	Pa.	Smuk, Marian Cecelia	Pa.
Smith, Dorothy Mae	Kans.	Smith, Constantine Joseph	Pa.
Smith, Dural Her	Brazil	Smith, Robert	Pa.
Smith, Edwin Stratford	Utah	Snead, Margaret Grace	Pa.
Smith, Eleanor May	N.Y.	Snelling, John Graden	Pa.
Smith, Evelyn Fanning	Ga.	Snyder, Helen Nancy	Va.
Smith, Evelyn Maxine	Iowa	Snyder, Sidney Raymond	D.C.
Smith, Evelyn Hill	Ga.	Snydergrass, Esther	D.C.
A.B. 1934, University of Georgia		Snow, Emil Claire	Pa.
Smith, Francis De Sales	D.C.	Snow, Lee Binger	
Smith, Frederick Young	Calif.	M.D. 1948, The George Washington	
Smith, Harold Jerome	D.C.	University	D.C.
Smith, Harvey Paul	Calif.	Snow, Margaret Payne	D.C.
B.S. 1942, University of California		Snow, Margaret Trockmorton	
Smith, Hazel Margaret	Va.	A.B. 1937, Iowa Wesleyan College	Mo.
Smith, Henry	Pa.	Snow, Robert Maughan	
Smith, Herbert Carlton	Pa.	B.S. 1940, The George Washington	
Smith, J. Paul	D.C.	University	D.C.
Smith, J. Russell	Utah	Snyder, Dorothy Louise	N.Y.
Smith, James Stanley	Va.	Snyder, Eleanor Ann	D.C.
Smith, Jack W.	Md.	Snyder, Elizabeth Helen	D.C.
Smith, Lane Dawson	Ill.	Snyder, Esther Eva	Pa.
A.B. 1938, The George Washington		Snyder, Eva Naomi	W.Va.
University		Snyder, Frances Anna	D.C.
Smith, Josephine Lucille	D.C.	Snyder, Gene Ann	Va.
A.B. 1930, University of Buffalo		Snyder, Lucille	Pa.
A.M. 1943, The George Washington		Snyder, Martha Frances	Md.
University		Snyder, Paul	N.Y.
Smith, Judson Paul	D.C.	Snyder, Paul J.	Ill.
Smith, Lillian Lyle	Calif.	Snyder, Ruth	
Smith, Katharine Truman	D.C.	Snyder, Samuel Joseph	D.C.
Smith, Larita	Va.	B.S. 1935, University of Chicago	Conn.
Smith, Lois Flame	Va.	Soderstrum, Anna Christine	
Smith, Maggie	Ga.	Soffer, Virginia Schwarz	N.Y.
Smith, Marian Nevitt	Va.	A.B. 1937, University of Chicago	Conn.
Smith, Maribeth	Ala.	Sollins, Alfred D.	
Smith, Martha Virginia	D.C.	Sollins, Nancy Thurber	
Smith, Marvin Dale	Miss.	Solomon, Gladys Minnie	
A.B. 1941, Mississippi College		A.B. 1934, Albertur Magnus College	D.C.
Smith, Mary Cecelia	D.C.	Solomon, Myra Annette	D.C.
Smith, Mary Ruth	D.C.	Solow, Max	

Students Registered

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Solt, James Earl	Md.	Spies, Harold Wade	Ohio
Somerville, Helen	Ill.	B.S. 1942, Mount Union College	
Somes, Beatrice Pace	Md.	Spiker, Janet Nevin	D.C.
Sommer, Edmund Totten, Jr.	Va.	Spiller, Lou Nora	Tex.
Sommers, Raymond Otto	Okla.	A.B., B.B.A. 1935, University of Texas	
B.S. 1940, University of Oklahoma			
Sommo, Marie Anthony	D.C.	Spindel, Sidney Simon	D.C.
Spet, Elsie Loretta	D.C.	Spindler, Pearl Goldstein	N.Y.
Spet, Hilda F.	N.Y.	A.B. 1940, Hunter College	
St. John, Martin Ruth	Iowa	Spitz, Hillel	Conn.
Solow, A Benjamin	N.Y.	Spitzer, Trudie Virginia	Ill.
Sorrows, Howard Earle	Tex.	Spiva, Frances L.	D.C.
A.B. 1940, Baylor University		B.S. 1939, Wilson Teachers College	
Sotore, Violet Genevieve	Mich.	Spukas, Otto E.	D.C.
Souch, Doris Daisy	D.C.	Spuchheim, Carol Elaine	Minn.
Souder, Helen Warfield	Md.	Spunker, Oleenna Mary	Iowa
Soule, Laurence William	Maine	Spray, Paul	Pa.
South, Jack Lee	Tex.	B.S. 1942, University of Pittsburgh	
Souther, Arthur Foller	Va.	Sprehn, G. Warren	Md.
Souther, Carolyn Frances	D.C.	Springate, William Franklin	Ill.
Souther, Grace Kirby	D.C.	Sprout, Kathryn Jane	D.C.
A.B. 1941, Brooklyn College		A.B. 1943, Pennsylvania State College	
Southerland, Henry de Leon, Jr.	Tenn.	Spurck, Margaret Mary	Ill.
B.S. in C.E. 1934, University of Georgia		Spurr, Warren Franklin	Wis.
Souther, Aileen	Ga.	Squire, Jacqueline Grace	D.C.
Southway, Edith Louise	Mass.	Squire, Marion Bernice	Pa.
Southwell, Florence Coffeen	Ind.	Squires, Charles Lloyd	Ohio
Southwell, Paul Meldrum	Va.	Srensek, Stanley Edward	Md.
Southworth, Dorothy Marie	D.C.	Stabler, Reginald Basil	Iowa
Southworth, George Robert	D.C.	Stacy, Delmar Ardene	Iowa
Sowers, Avis Eleanor	La.	Stachniuk, Mary Elizabeth	Md.
Sowers, James Adam	Calif.	Stafford, John Coulter	D.C.
Spagnola, Catherine Dolores	N.Y.	Stafford, Ruby Alice	Pa.
Spalding, Lillian Beatrice	Va.	Starnak, Mary	D.C.
Spanier, Leila Marian	Va.	Statt, Seymour	N.Y.
Spanogle, Lee Warren	Md.	Stutzer, Ferdinand M.	Md.
Spaz, Irving Leo	N.Y.	Stumm, Anna Bertha	D.C.
Sparkman, Joseph Ben, Jr.	D.C.	Stumpet, Dorothy Elizabeth	D.C.
B.S. in M.E. 1942, Rice Institute		Stumps, Edith G.	Md.
Sparks, James Blaine, Jr.	D.C.	Stanford, John Milton	
Sparks, Phyllis Jean	Md.	A.B. 1942, University of Illinois	
Sparks, Ruth	W.Va.	Stanage, Paul William	TH
Spaulding, Cecil Caylor	Va.	Stanley, Laura May	Maine
Spaulding, Richard	D.C.	A.B. 1922, Colby College	
Spearmann, Louise	D.C.	Stanley, Phyllis Louise	Va.
Spearmann, Marguerite Sue	Miss.	Stanley, Lillian Anne	Mass.
Spears, Betty Louise	D.C.	Stanley, Leontine Elizabeth	Ga.
Spears, Henry Newton	Va.	A.B. 1941, Wesleyan College	
Spears, Jake Franklin	D.C.	Stark, Cal Elbert	Va.
A.B. 1941, Wad College		Stark, James Harold	Ill.
Specter, Hilda Regina	Conn.	A.B. 1940, Illinois College	
Specter, Myer Anna	D.C.	Stark, Russell Wayne	Iowa
Specter, John Bernard	Okla.	Starnett, Lillian Louise	Md.
Spindel, Myer Elizabeth	D.C.	Starnes, Louis Marie	La.
Spencer, Patricia Marion	D.C.	Starnes, Charles Edwin	Ky.
Spencer, Anita	Tex.	Starnes, Anna T.	N.Y.
Spencer, Frances Alpha	Ill.	Starnes, Lillian	N.Y.
Spencer, Louise Lillian	Tex.	Starnes, Lillian Louise	D.C.
Spencer, Mary Louise	D.C.	Starnes, Lillian Lawrence	W.Va.
Spencer, Raula Eugene	Md.	Starnes, Helen Louise	Ind.
Spencer, Dorothy Elizabeth	Va.	Starnes, Herbert M.	D.C.
Spencer, John and Grant	D.C.	Starnes, Richard Gay	D.C.
Spencer, Helen Hildrop	D.C.	Starnes, Robert William	D.C.
Spencer, John W. H.	D.C.	Starnes, Robert William	Ark.
Spencer, Oscar B. Graham	Pa.	Starnes, Robert Lee	D.C.
Spencer, Roland Browning		Starnes, Frances Phyllis	D.C.
A.B. in Ed. 1936, The George Washington University		Starnes, Frances Phyllis	D.C.
Spier, Abigail	D.C.	Starnes, Herbert Earle	Md.
Spier, Howard Lehman	Md.	Starnes, Katherine	D.C.
B.S. 1926, Georgetown College		Starnes, Michael H.	D.C.
A.M. 1931, University of Michigan		B.M.E. 1929, New York University	

Steele, Betty Lu A.B. 1943, The George Washington University	D.C.	Stewart, Caroline Lippincott Stewart, Dorothy Frances Stewart, Francis Paul Stewart, Frederick Gordon Stewart, Josephine Stewart, Kermit B.S. 1936, The George Washington University	Va. Va. D.C. Mass. Br. Col. D.C.
Steele, Dorothy Mabel A.B. 1943, The George Washington University	N.Y.	Stewart, Marilyn Norine Stewart, Nancy Graves Stewart, Raymond Walker Stewart, Ruby Alice B.S. 1930, Madison College A.M. 1940, George Peabody College for Teachers	N.Y. Tex. D.C. Va.
Steffan, Lloyd John Stegeman, Margaret Agnes Stegmuller, Edna Leonore Stedell, James Charles Steigleman, Walter A. A.B. 1929, University of Pittsburgh A.M. 1942, University of Wisconsin	Wis. Nebr. N.Y. D.C. Pa.	Sticks, Byron Lee Stidley, June Estelle Stier, Alma De Vere Stiffler, Charles Howland Still, Mary Amanda Still, Vivian Marie Stiller, Bertram Stimac, John Stimson, Laura H. Stine, Mildred C. A.B. 1943, The George Washington University	D.C. Va. Md. D.C. Kan. Tex. N.Y. Miss. Md. D.C.
Stein, Charles Max B.S. 1940, University of Chicago Stein, Edna Linborg A.B. 1944, The George Washington University	N.Y. N.Y. D.C.	Stine, Wilma Pearl A.B. 1937, Western Reserve University Stirling, Margherita Stirling, Mary Jane Stites, Ruby Stithem, Robert Edward Stitt, Lucille Alma A.B. 1939, Ohio State University Stockett, Robert Monroe Stockwell, Archibald Wauchop B.S. 1938, A.M. 1941, University of New Zealand	D.C. Va. Md. D.C. Kan. Tex. N.Y. Miss. Md. D.C.
Stein, Jacob Stein, Ralph Steinbach, Bradley Frank Steinberg, Dorothy A.B. 1944, Hunter College Steinberg, Esther Steinberg, Jack Norman A.B. 1943, The George Washington University	D.C. D.C. N.Y. D.C. D.C. D.C.	Stoehr, Edward Konrad Stokes, Arthur Joseph B.S. 1940, Kent State University Stokes, K. Celeste Stokley, Mildred Pearl Stoller, Raymond A.B. 1943, The George Washington University	Ohio D.C. D.C. Pa. Wash. Pa.
Steinberg, Morton Robert Steiner, Charles Jacob Steines, Esther Bertha Steines, James LeRoy A.B. 1942, Simpson College Steines, Lorene Nora Steines, Marcella Louise Steines, Verna J. Steinfeld, Bernice Steinmetz, Lorraine June Steinsapir, Seymour H. Stell, William Marlin A.B. 1943, The George Washington University	D.C. D.C. D.C. Iowa D.C. D.C. Mo. N.Y. Ill. N.Y. D.C.	Stelma, Eleanor June Stemmeroy, Josephine Rhea Stone, Lewis Allston A.B. 1942, Bowdoin College Stone, Luther Edward Stone, Thomas Edward A.B. 1941, The George Washington University	Va. D.C.
Stellwagen, Barbara Pierson Stemler, Selma Stephan, Hazel Saunders Stephens, Albert S. J. Stephens, Carleen Elizabeth Stephens, Milton Henderson Stephens, Sara Ellen Stephenson, Earl Donald Sterling, James Thaddeus Sterling, Margaret Anne Stern, Adele Simon Stern, Carl A.B. 1943, Colby College Stern, Claire Gertrude Stern, Edward Stern, Julian Bennett Sternberg, Edward M.B.A. 1941, University of Chicago Sternfeld, Letta Grant Sternfield, William Abbe Sternfield, Yveta Grant Stetson, Margaret Boyd A.B. 1925, The George Washington University	D.C. Pa. Va. Ga. D.C. D.C. Ala. D.C. Md. D.C. D.C. N.Y.	Stout, Betty Jane A.B. 1942, Radcliffe College Stout, Henry Wallace Stovel, Laura Stover, Donald Elwood Strang, Elmer Hewitt, Jr. Strang, Julia Elizabeth B.S. 1937, Rutgers University Stratton, Lawrence A.B. 1943, The George Washington University	Va. Md. D.C. Md. Va. Wash. D.C. D.C. D.C. N.J. N.Y.
Stevens, John Edward Stevens, Ruth Avis Stevenson, Alice Louise Stevenson, Evelyn Stevenson, Jean Viney Stevenson, Octavia Sykes Stewart, Anne Marie	Md. S.C. Ind. S.C. Md. D.C. D.C.		

Straub, Anne Wieboldt				
Straughan, Lucille Juliet				
A.B. 1941, Santa Barbara State College				
Strauss, Ius May				
Strauss, Lewis Hanover				
Strauss, Vernon John				
Strawn, Claudia				
A.B. 1931, The George Washington University				
Streets, Ronald Emerson				
Stremel, Johanna Marie				
Streile, Theophil Washington, Jr.				
Stribling, Herman Albert				
Strawland, Betty				
Strickland, Lawrence Gordon				
Strickler, Frank Hunter				
A.B. 1941, The George Washington University				
Strigina, Galena Nicolas				
Stromberg, Marvin Oscar				
Stromswold, Hugh Charles				
Strong, William Ronald				
Strozier, Fred B.				
Stuetler, Calvin Arnold				
Stroup, Matthew Alfred				
A.B. 1939, University of North Carolina				
Strout, Warren Greenleaf				
A.B. 1943, University of Maine				
Strube, Hazel Stone				
Strupp, Hans H.				
Strupp, Werner				
Stuart, Claudia Rhett				
Stubbs, Elizabeth Anne				
Stucke, Adela Leona				
A.B. 1941, The George Washington University				
Stuckes, Mary Lucia				
Student, Mary Anne				
Stull, Geraldine Merian				
Sturgeson, Mary-Elizabeth				
Suam, Wilhelmina J.				
Sachow, Meyer				
B.S. 1937, New Jersey State Teachers College				
Sugar, Ann				
Suiter, Margaret Anne				
Sullivan, Eunice Eileen				
B.S. 1943, The George Washington University				
Sullivan, Fred-Gunther				
Sullivan, Joseph I.				
Sullivan, Margaret Frances				
Sullivan, Mary Ellen				
Summers, Anne Theresa				
Summers, Shirley Jane				
Summers, Virie Marie				
Summers, Virginia Brooks				
Sunderline, Frances Irving				
Sundquist, Elvie M.				
Sung, Chien Huok				
Sutacs, Frank Paul				
Suton, Allan Herbert				
A.B. 1940, B.S. 1942, The George Washington University				
Sures, Ruth Ann				
Suskin, Beatrice Sacks				
B.B.A. 1941, College of the City of New York				
Suskin Harold				
B.B.A. 1940, College of the City of New York				
Susser, David				
B.B.A. 1942, College of the City of New York				
Sustrick, Anne Mae				
Sutherland, Edwin S.				
B.S. 1937, East Tennessee State Teachers College				
Sutton, Eileen Mae				
Sutton, Susan				
Svete, Evelyn Carroll				
Swain, Garrett Michael				
Swanberg, Helen Eleanor				
Swanson, Irving William				
LL.B. 1940, The George Washington University				
Swanson, Margaret McMurray				
A.B. 1935, The George Washington University				
Swanson, Rollan				
Swarner, Muriel Joy				
A.B. 1940, State University of Iowa				
Swartz, Rosalind B.				
A.B. 1942, Hunter College				
Swazy, Phoebe Ann				
A.B. 1937, Vassar College				
Swedine, Elizabeth C. M.				
Sweeney, Henry Whitcomb				
Sweeney, Jack Lawrence				
Sweeney, John Daniel				
LL.B. 1940, Georgetown University				
Sweeney, Mary Margaret				
Sweeney, Patrick Marion				
Sweet, Elizabeth Goblentz				
Swezey, Eldon Eugene				
B.S. 1937, Oklahoma Agricultural and Mechanical College				
Swebart, Jack Eugene				
Swenson, Gwendolyn A.				
B.S. in Ed. 1941, Miami University				
Swenson, Nella Jean				
Swenson, Thelma Arlene				
Swetnam, George Dayton				
Sweet, Timothy				
Swift, Joseph Tibbles				
Swift, Leonora				
B.S. 1940, Washington University				
Swiller, Sydney				
Swinea, C. Lillie				
Swindford, Paul Wells				
Swing, Patricia Mary Therese				
Swenson, Mildred Evangeline				
Sworzyk, Marilyn Davis				
A.B. 1943, Connecticut College				
Sykes, Malvina Yenger				
Syme, Robert Haldane				
Summs, Virginia Wood				
B.S. in Ed. 1922, Central Missouri Teachers College				
A.M. 1926, University of Missouri				
Szyreny, Martha Emilia				
Sze, Wilbur Carl				
T				
Taborski, Marie Beatrice				
A.B. 1943, The George Washington University				
Tabler, Joseph Wesley				
Taber, Nall Edward				
Tackett, Anna Anseland				
A.B. 1943, University of Maryland				
Taecker, Carroll Hervey				
B.S. 1926, United States Naval Academy				

Taeyes, Anne	Colo.	Teitelbaum, Irving	NY
Taffet, Hans	N.Y.	B.B.A. 1941, Georgetown University	DC
Taft, Adon Calvin	Md.	Temin, Adele	DC
Taft, Ramona Willmetta	Md.	Temple, Lafayette Parker	Pa.
Taggart, Ila Smith	D.C.	Tendrach, Alva L.	NY
B.S. 1943, Utah State Agricultural College		Teppet, Florence	DC
Taggart, Quentin Bennett	Va.	Tennant, Fred	Ta
B.C.S. 1933, St. Louis University		Terrell, Edna D.	
Taishoff, Miriam Lillian	Va.	B.S. 1933, Sam Houston State Teachers College	NY
Tait, Andrew	D.C.	Terry, John Haslet	
Taitel, Martin	Ind.	B.S. 1937, M.S. 1938, Rensselaer Polytechnic Institute	DC
Ph.B. 1920, University of Chicago		Terry, Mary Kathryn	Va.
Talbert, Betty Virginia	D.C.	Tesh, Gardner Lewis	
Tallman, Raymond James	D.C.	A.B. 1941, Catholic University of America	W.Va.
Tamaki, Shuzeko	Wash.	Teske, Elaine Theodora	Va.
Tannen, Harold	Fla.	Thackaberry, Gloria Ruth	Va.
B.S. in B.A., LL.B. 1930, University of Florida		Thackaberry, Mary Waynette	DC
Tannenbaum, Frank S.	Ill.	Thacker, Joel Davis	DC
Tarbell, Lyle Ernest	D.C.	Thackston, Rebekah	Pa.
Tardugno, Michael Angelo	D.C.	Thaler, Anne Marie	W.Va.
Tarett, Lois Ruth	D.C.	Thaxton, Richard Eugene	W.Va.
B.S. 1943, Wilson Teachers College		Thayer, Virginia W.	Mo.
Targue, Edith	N.Y.	Thed, Mary Edna	NY
Tashof, Matilda	D.C.	Thevenin, Esther B.	NY
Tassi, Gordon Jordan	D.C.	Thigpen, Hattie Elizabeth	Mo.
B.S. 1942, The George Washington University		Thom, Herbert C. S.	
Tass, Ruth R.	DC	B.S. in M.E. 1937, The George Washington University	DC
Tassler, Shirley Adrienne	DC	Thomas, David Scott	
Tate, Marian Keeler	DC	A.B. 1935, The George Washington University	DC
Tatum, Rachel B.	DC	Thomas, Earl Arunah	Mo.
Tavener, Edith Claire	Va.	Thomas, Eva Elva	DC
Taylor, Ansel Newel	Md.	Thomas, Fred Peatee	DC
Taylor, Anne Robb	N.J.	Thomas, Evelyn B.	Mo.
A.B. 1939, A.M. 1941, Mount Holyoke College		Thomas, Ferns Bertram	Mo.
Taylor, Arline Margaret	Iowa	Thomas, George Stanley	
Taylor, Dora W.	DC	B.S. 1943, The George Washington University	Kan.
Taylor, Dorothy Inez	DC	Thomas, Hazel Latene	Pa.
Taylor, Dorothy Jane	Ariz.	Thomas, Orla E.	Mo.
Taylor, Eleanor Robert	Md.	Thomas, Richard Landrum	Pa.
Taylor, Elizabeth Virginia	DC	Thomas, William John III	Pa.
Taylor, Estelle	Okl.	Thomas, Esther I.	Pa.
Taylor, Helen Varvne	Okl.	Thomas, Robert Neal	Pa.
Taylor, John Peter	DC	Thompson, Anna Marie	Va.
B.S. in E.E. 1940, B.S. in M.E. 1941, University of Arizona		Thompson, Barbara	Va.
Taylor, Marion	Pa.	Thompson, Berry Reuter	Va.
Taylor, Marjorie Evelyn	Md.	Thompson, Rex A.	Va.
Taylor, Marjorie G.	DC	Thompson, Clyde Elmer	Pa.
Taylor, Mary Hilda	Miss.	B.S. 1941, University of Illinois	
Taylor, Mason Edwin, Jr.	DC	Thompson, Edna Strick	NY
Taylor, Mabel Ellen	DC	B.S. 1933, The State College	
Taylor, Millie Ivor	SC	Thompson, Elsie Ellen	Pa.
A.B. in Law 1932, University of South Carolina		A.B. 1937, Connecticut College	Pa.
Taylor, Muriel Jean	Md.	Thompson, Eugene Augustus	Pa.
Taylor, Robert Edward	DC	Thompson, George Lawrence, Jr.	Pa.
Taylor, Simon Pipkin	DC	Thompson, Harry Francis	Pa.
Taylor, Sylvia Lard	Pa.	Thompson, Horace Ermaude	Pa.
Taylor, Urtle C. Allen	Va.	Thompson, LeLueberry	W.Va.
B.S. 1935, Virginia State Teachers College		Thompson, Kathryn Elaine	C.
Taylor, William Irving	Va.	Thompson, Marjorie Edythe	
Teal, Lene Ellen	Pa.	Thompson, Nancy Virginia	
Telbert, Robert L.	DC	A.B. 1935, San Francisco State Teachers College	W.Va.
B.C.S. 1934, New York University		Thompson, Nellie Ellen	Pa.
Teacher, Vera C.	N.C.	Thompson, Olive Doe	Pa.
Teicher, William Wilter	Fla.	Thompson, Ruth Collins	
Telf, Mabel Margene	W.Va.	Thompson, Elizabeth Van Anda	
		A.B. 1935, Swarthmore College	

Thomson, Margaret Davis	D.C.	Toner, Mary G.	Md.
Thomson, Patricia Faye	D.C.	Toomey, Marion Cecelia	D.C.
Thom, Gertrude Clara	D.C.	Toothman, Arthur Herbert	D.C.
Thosley, Velva V.	D.C.	LL.B. 1916, Washington and Lee University	
Thorn, Rita Ethel	D.C.	Toporek, Milton	D.C.
Thorne, Milton Martelle	Va.	AB 1940, Brooklyn College	
Thornton, Mary Anna	D.C.	Toporek, Pauline Schwartz	D.C.
Thornton, Anna Carolyn	Ohio	Torkelson, Cora Lillian	S.D.
Thring, Evelyn Virginia	D.C.	Torkelson, Leif Oscar	Va.
Thurlow, Bradbury Kaimonde	R.I.	Totterow, Mildred R.	N.C.
Thurmond, James William	Ark.	Toussaz, Elizabeth Mary	Conn.
Thurston, Jeanne Carolyn	Va.	Towers, Richard Rutledge	N.H.
Thwaites, John Keith	D.C.	B.S. in C.E. 1937, University of New Hampshire	
Tibbals, Lowman	D.C.	Towey, Shirley Catherine	N.J.
B.S. in E.E. 1935, University of Washington		Towt, Barbara Cresap	Ohio
Tibbets, Alma Geneva	Ga.	Trachsel, Jeanne Madeleine	D.C.
Tibbis, Olive J.	D.C.	Trace, Helen Elizabeth	D.C.
Tibbott, Glenn Lumpkin	Va.	Tratton, Iowa	Maine
Tibert, Marjorie Louise	N.D.	Tranmer, Francis James	N.Y.
Tidler, Harold Stanley	Va.	Tramposh, Gretchen K.	Mich.
Tievsky, Marvin	D.C.	Travelstead, Charles Eugene	Ill.
AB 1937, The George Washington University		Travis, Dorothy Frances	Md.
Tighe, Francis Charles	D.C.	Travunham, Paul F. II	Va.
B.S. 1940, Columbia University		Treihner, Eud M.	Wash.
Tiley, Cecelia Arminia	Ohio	Treichler, Howard Pettit	N.Y.
Tilman, Leota B.	Wash.	Tressler, Betty Jane	D.C.
Tilman, Rives Leonard	Va.	Triflett, Giuseppe	D.C.
B.S. 1943, University of Virginia		Graduate 1940, University of Rome	
Tilton, John Snyder	D.C.	Tumble, Elaine Lazaro	D.C.
Timberlake, Marion Edythe	Va.	Tumble, Eugene Earl	Ky.
B.S. in Ed. 1939, Mary Washington College		Tumble, Mary Margaret	D.C.
Timberlake, Philip Franklin	Calif.	AB 1939, Oklahoma College for Women	
AB 1942, Whittier College		Trudo, Anthony L.	N.J.
Tinkelenberg, Louise Marian	D.C.	Tripi, Helen Blauvelt	Wash.
B.S. in Ed. 1939, Wilmington College		Trivett, Ruth Lane	Ohio
Tinnin, Helen Marie	Tex.	Trosani, Theresa Margaret	D.C.
Tippett, Violet Marjorie Clinton	Canada	Trone, Rosemary May	Va.
Tipton, Ann Lee	Md.	Troner, Betty Elise	D.C.
Tobas, James W.	Pa.	Tronin, Leonard Adolph	N.Y.
B.S. in M.E. 1943, University of Pennsylvania		Trott, Helen Lucille	Md.
Tobias, Marjorie Carol	D.C.	Trott, Dorothy	Tex.
Tobias, Mary Frances	Tex.	Troutbridge, Betty Lou	Md.
B.S. 1942, Texas State College for Women		Truxell, Marie Antoinette	D.C.
Tocker, Salmon	N.Y.	B.S. 1943, Georgetown University	
Graduate, University of Vienna		Trux, Allan Bishop	D.C.
Todd, Doris Louise	Va.	Trubin, Charlotte	N.Y.
Todd, Fred Palmer, Jr.	Mich.	Truckenbrodt, G. Eunice	D.C.
Tofield, Donaric Samuel	Mich.	Trucks, Elizabeth M. Wane	La.
Tolen, Alma Jean	D.C.	Truman, Mary Margaret	D.C.
Tolen, Betty Jane	Minn.	Trumbo, Elizabeth Katherine	Ky.
AB 1942, University of Wisconsin		Trumbull, Donald	D.C.
Toliver, Isabelle	Tex.	AB 1936, Union College	
Tolley, Adrian Barclay, Jr.	D.C.	Trytka, Bronslaus Peter	Ind.
Tolley, Virginia Elizabeth	Va.	Trytten, Martha Kathinka	Md.
Tolman, Margaret Douglas	D.C.	Tseng, Kwan Hsun	D.C.
Tolson, Florence Ruth	D.C.	AB 1926, University of Shanghai	
Tomes, Jesse Neal	Ind.	Tubbs, Emma Mildred	D.C.
AB 1942, The George Washington University		Tucker, Frank William	Conn.
Tomhave, Dorothy Alma	Iowa	Tucker, Gertrude G.	N.Y.
B.S. 1941, University of Minnesota		AB 1936, Brooklyn College	
Tomlinson, Josephine Barbara	D.C.	A.M. 1943, New York University	
Tompkins, Chairman Estanger	Va.	Tucker, Lenore	D.C.
Tompkins, John Estanger	Va.	Tucker, Margaret Alice	Fla.
B.S. 1930, College of the City of New York	N.Y.	Tucker, Randolph Wiley	Va.
		LL.B. 1940, University of Richmond	
		Tucker, Victoria M.	D.C.
		Tuma, Arthur T.	Md.
		B.S. 1936, North Dakota State Teachers College	
		Tuma, Kathleen O'Connell	Md.

Tuncil, Frances Marion	Ky.	Varrati, Gilda Elvira	N.Y.
Tuncil, Imogene	Ky.	A.B. 1941, Hunter College	D.C.
Tunney, John Joseph	Va.	Vasa, Vladimir	
Tunxat, Richard Morton	Oreg.	A.B. 1943, The George Washington University	D.C.
Turchen, Roy	Wis.	Vaughan, Juanita Teresa	D.C.
Turet, Roslyn	Va.	A.B. 1940, Incarnate Word College	D.C.
Turner, Bette H.	D.C.	Vaughan, Mary Lawry	D.C.
Turner, Harrison Holmes	Va.	Vaughn, Marthada June	D.C.
Turner, Katherine Marie	N.Y.	Vaughn, Norma G.	D.C.
A.B. 1942, College of New Rochelle		Vavra, Helen Mary	Miss Cal.
Turner, Mary Joy	S.C.	Vegors, Halsey Hugh	
Turner, Paul Alfred	D.C.	A.B. 1940, University of California at Los Angeles	D.C.
Turner, Ralph Frank	Mass.	Velasco, J. Manuel	
Turner, Virginia Fleetwood	Va.	Ph.B. 1934, University of Central Venezuela	D.C.
Turney, Myrtice Louise	Ala.	Velasquez, Tillie Jean	D.C.
A.B. 1941, Athens College	Oreg.	Velez, Elsie Dorothea	Mich.
Tuttle, Wilma Lois	Md.	Veljkov, Zora	Md.
Tutwiler, Frank Bryan	N.Y.	Velkoff, Cyril L.	
Twersky, Arthur Burton	Minn.	A.B. 1942, The George Washington University	D.C.
Tweeten, Geneva Alyda	D.C.	Venezky, Alice Sylvia	D.C.
Tyler, Harmon Spruance	Ill.	Venezky, David Lester	Wash.
Tyler, Wilbur Paul	N.Y.	Verneberg, Verna L.	Pa.
Tyler, Winfield Warren		Venskus, Isadore Edward	Ill.
A.B. 1943, Cornell University		VerKoulen, Mary Louise	Oreg.
U		Verry, Edith Louise	D.C.
Udall, J. Nicholas	Ariz.	Verstraete, Clara Elizabeth	Va.
Udoff, Doris	D.C.	Via, Jean Clark	Iowa
Ullman, Ruth Sherle	D.C.	Vick, Irene Matilda	D.C.
Umar, Yassin	D.C.	Vick, Melva Doris	Va.
Underwood, Evelyn Lucille	Va.	Vickey, Betty Wheeler	D.C.
Underwood, Kathleen Lennon	D.C.	Vickrey, Richard Allen	D.C.
Unfried, Lawrence William	Ill.	Viergutz, Elizabeth Ann	
Unjacke, Nerene Pickering	D.C.	A.B. 1943, Mills College	D.C.
Unzicker, Janet Maurine	Wis.	Vietor, Hendrik Willem	
Ure, William Alexander	D.C.	A.B. 1943, The George Washington University	D.C.
V		Vietor, Jeanne F.	
Vafiades, Venizelos Vassor	Maine	A.B. 1943, The George Washington University	D.C.
Vail, Earle L.	Md.	Vigness, Helen Anne	D.C.
A.B., A.M. 1934, University of Pittsburgh		Villani, Frank Michael	N.Y.
Valentine, Alberta Enderle	D.C.	A.B. 1941, Brooklyn College	D.C.
Valentine, Le Roy W.	D.C.	Villarejo, Oscar Milton	D.C.
Valenzano, Viola Mary	Colo.	Vincent, Mary Ellen	Conn.
Valerius, Helen	Wyo.	Vinci, Carolyn	D.C.
Valis, Tessie W.	D.C.	Viner, Anita	Mass.
Vallon, Eleanor Karen	D.C.	Violante, Gilberto Nunes	Mo.
Van Alsbury, Marabelle Elizabeth	N.Y.	Vitka, Elizabeth Catherine	Pa.
Van Auker, Milo Edison	D.C.	Visintainer, Anne Benedicta	D.C.
Van Beverhoudt, Maruja	Panama	Visintainer, Madelon T.	Ill.
Vance, Catherine Peters	D.C.	Vito, Minnie Jeanne	Conn.
Vance, Paul Ernest	Va.	Vitti, Mary Josephine	Conn.
Van Deusen, John Ten Evck	D.C.	Vivari, Joseph	P.R.
Vangelderen, Bertha Elizabeth	D.C.	Vizcarondo, Raul C.	N.Y.
Van Gilder, Irene Anna	Mich.	Vladeck, Stephen Charney	Va.
Van Horn, Hazel Marie	Va.	A.B. 1941, New York University	N.Y.
Van Keuren, Virginia Anne	Ohio	Vliet, Mary Louise	N.I.
Vann, Enoch Jasper, Jr.	D.C.	Vogl, Joseph Francis	Miss.
Van Sanford, Gordon M.	N.M.	Vont, Vivian Mae	D.C.
Van Scyoc, Marjorie A.	D.C.	Voigt, Marjorie	
B.S. 1935, University of Nebraska		Voit, Richard Louis	
Van Sickle, Frank M.	Va.	B.S. 1930, University of North Carolina	S.D.
B.S. 1947, Otterbein College		Volden, Ester Constance	Me.
Van Sickle, James Schuyler	D.C.	Volland, Robert Joseph	D.C.
Van Sickle, John Garrett	Va.	Vollberg, Lorraine Beale	Va.
Van Story, Eloise Peterson	D.C.	Volz, Mary Elizabeth	D.C.
Varda, Margaret B.	Wis.	Vos, Hendrik Dorothea	
Vardoneau, Mildred A.	Ala.	Vonhaverlet, Friederike	
Varga, George Sziklay	Calif.		
Vargas, Lester Lambert	R.I.		
Varley, Edward J.	Mo.		

Students Registered

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Vonneuman, Nicholas A. J.D. 1943, University of Budapest	N.Y.	Walter, Hugh	Ohio
Von Stein, Irma	D.C.	Walter, Katharine Miriam	Md.
Von Walt, Dorothy Virginia B.S. 1940, The George Washington University	D.C.	Walther, Charles E.	Pa.
Vos, Ricardo	D.C.	Waltz, Helen Kathryn	D.C.
Vutaw, Mary Wharton	Va.	Wambach, Margaret Elizabeth	N.Y.
Vutaw, Ruth Louise	Mo.	Wang, Strah Cho B.S. 1927, Massachusetts Institute of Technology	D.C.
Vranes, Helen	D.C.	Wanger, Harriet	N.Y.
Vreccos, Louis	Mo.	Ward, Edward Francis	D.C.
Vrooman, William Henry	Va.	Ward, Kathryn M. Painter A.B. 1935, A.M. 1947, The George Washington University	D.C.
Wachler, Ethel	W	Ward, Lucy Lee	Fla.
Wade, Charles Joseph	Va.	Ward, Robert Spencer A.B. 1927, The George Washington University	Ohio
Wade, Mary Louise	D.C.	Ward, William Trennt	Nebr.
Wadsworth, Knox	W.Va.	Wardell, Layne Lotus	N.Y.
Waechter, Elizabeth Elaine	Va.	Ware, Helen Agnes A.B. 1926, Drake University	Iowa
Wager, Albert Leslie	D.C.	A.M. 1941, New York University	
Wagoner, Marjorie A.	D.C.	Ware, Mary Lou	Fla.
Waxman, Michel Harold	Miss.	Ware, Robert S.	D.C.
Waxman, Simon	D.C.	Warfield, Marion Dixon	D.C.
Waxner, Albert Michael	D.C.	Warne, Harvey S. A.B. 1942, University of California	D.C.
Waxner, Dorothy Josephine	D.C.	Warner, Adrienne A.B. 1943, The George Washington University	D.C.
Waxner, Elaine Pearl	D.C.	Warner, E. Carolyn B.S. 1945, Maryland State Teachers College	D.C.
Waxner, Erna Rose	D.C.	Warner, George Francis	D.C.
Waxner, Herbert B. B.S. 1948, College of the City of New York	N.Y.	Warren, Leawester	D.C.
Wagner, Irving Isadore	N.Y.	Warren, Melba Frances	Kans.
Wagner, Martha Pauline	Okla.	Warren, Robert B. A.B. 1927, Ohio Wesleyan University	Ohio
Wagner, Mary Gertrude	D.C.	Warshaw, Israel	D.C.
Wagner, Neva McMillen	Ohio	Warshawsky, Harry B.S. 1943, University of Southern California	Calif.
Watab, Wilson Howard	Va.	Warthen, Robert Orr	Md.
Waide, Elizabeth	Miss.	Washabaugh, Beulah Evelyn A.B. 1914, Thiel College	Pa.
Wainright, Adrian Beggens	D.C.	Washabaugh, Elsie May	D.C.
Walt, Josephine Fay	D.C.	Washburn, Eleanor Manford	Ohio
Watts, John Virgil	D.C.	Washburn, Fred, Jr. B.S. 1942, Case School of Applied Science	D.C.
Watts, Mary	D.C.	Washburn, Leola Florence B.S. 1938, Wilson Teachers College	Pa.
Wakefield, Wanda E.	Va.	Washington, Bushrod Corbin A.B. 1942, The George Washington University	D.C.
Wakeley, Gladys Alberta	Nebr.	Washington, Dorothy Anne	D.C.
Wakelin, Helen A.B. 1925, Vassar College A.M. 1938, Smith College	D.C.	Wasserman, Beverly Ruth A.B. 1940, Hunter College	D.C.
Walton, Alice Frances	D.C.	Wasserman, Marie	D.C.
Wales, Maunida Sue	Va.	Wasserman, Samuel	D.C.
Walesby, Mary Margaret	D.C.	Wasserman, Selma	D.C.
Walker, Alberino Custis	Va.	Wasson, Elaine Joyce B.S. 1941, Wilson Teachers College	D.C.
Walker, Alice Dorothea	D.C.	Waterhouse, Germaine Solange	D.C.
Walker, Anna Grames	Ala.	Waters, Ethel Brown	N.C.
Walker, Clifford Layton	Va.	Waters, William James B.S. 1931, Appalachian State Teachers College, North Carolina	N.C.
Walker, John Stanton	D.C.	Watkins, Cameron Dalton	Md.
Walker, M. Frances	Okla.	Watkins, Donna Marena	Mass.
Walker, Robert B. B.P.E. 1930, Springfield College	Mid.		
Walker, Theodore R.	Wis.		
Wallace, Dorothy June	D.C.		
Wallace, Jennie B.S. 1932, Boston University	Mass.		
Wallace, Keene Manning	Va.		
Wallach, Elaine Madeline	N.Y.		
Wallis, Richard Fisher	D.C.		
Walla, Violet Elizabeth	Ill.		
Wallwork, Flora Lucille	Utah		
Walmsley, Molly Jeanne	Utah		
Walmsley, Marion Christine	Ill.		
Walsh, Marie	Va.		
Walsh, Dorothy Cosse	Conn.		
Walsh, Joseph Vivianetti	D.C.		
Walsh, Olga M.	N.Y.		
Walsh, Paul Francis	Mass.		
Walter, Beatrice M.	Oreg.		

Watkins, Harmon Luther	Tex.	Weinreb, Ruth Betty	D.C.
B.S. in Com. 1937, Southern Methodist University		Weinrib, Miriam	N.Y.
Watkins, Imajean Armitage	Okla.	A.B. 1944, Brooklyn College	Calif.
B.S. 1942, Oklahoma Agricultural and Mechanical College		Weinrich, Virginia Christine	D.C.
Watson, Bruce Parish	D.C.	Weintraub, Mildred	Conn.
Watson, Ellen Virginia	D.C.	Weir, James Vincent	D.C.
Watson, James Clyde	Ky.	Weir, Nora Jane	Pa.
Watson, Kenneth Marshall	Iowa	Weirick, Gladys Arlene	N.Y.
B.S. 1943, Iowa State College		Weis, Martin	D.C.
Watson, Ralph E.	Ind.	Weissel, Wilma Jean	D.C.
Watson, Sadie Mae	N.C.	Weisenburger, Faye Darleen	Va.
Watson, Thomas John	Wis.	Weiss, Irving	
Watters, Jane Elizabeth	W. Va.	LL.B. 1936, LL.M. 1937, Brooklyn Law School	D.C.
Watterson, Clark Callister	Utah	Weiss, Leonard Luis	D.C.
Watts, George Melvin	D.C.	Weissberg, Belle	D.C.
Watts, Harlev Monroe	Ohio	Weissbrod, Dorothy L.	W. Va.
Waxman, Morris	N.Y.	Weisse, Harris Albert	N.Y.
Wax, Mattie Barron	D.C.	Weissman, Jack	Va.
Wayd, Annette Culler	Ga.	Weisz, Renee Fantin	
Wayne, Joseph Paul	Md.	A.B. 1941, The George Washington University	D.C.
Wayne, Wilella T.	D.C.	Weitzel, Juliet Louise	
Wayt, Frederick Willie	D.C.	B.S. 1916, Wilson Teachers College	N.Y.
Weare, George Cabot	D.C.	Welch, Edith M.	Pa.
Weare, Josephine Wilma	D.C.	Welch, Elizabeth Churchill	D.C.
A.B. 1942, University of Maryland		Welch, Mary Catherine	D.C.
Weathersbee, Frank Burkhead	D.C.	Welcome, Gerald W.	N.C.
Weaver, Elizabeth Ann	Pa.	Weller, Elizabeth	T.
Weaver, Jewell	Ky.	Wellone, William S.	Me.
Weaver, Lillian Beatrice	W. Va.	Wells, Dorothy Jane	Pa.
Weaver, Margery Jean	Va.	Wells, Elizabeth Dorothea	Va.
Webb, Barbara Irene	Va.	Wells, Nelle	
Webb, Georgia Helen	D.C.	Wells, Sharleen Lucille	
Webb, John Sydney	Pa.	A.B. 1940, Alabama State College for Women	Md.
A.B. 1916, M.S. 1937, Pennsylvania State College		Welsh, Mary Kathleen	D.C.
Webb, Ruth Kincer	D.C.	Welthee, Betty Ellen	Ill.
A.B. 1934, A.M. 1936, The George Washington University		Welty, Dorothy Cecelia	Md.
Webber, Ruth Rebecca	Fla.	Welty, Harvey Albert	N.Y.
Webber, Terence Conrad	Mont.	Wemhoff, Hildegarde Apollonia	Pa.
Weber, George Russell	Iowa	Wen, Shih Lung	D.C.
Weber, Helen H.	D.C.	Wendell, Dorothy Louise	Pa.
A.B. 1921, Transylvania College		Wendell, Elizabeth Mary	Ky.
Weber, Helen Lawson	Va.	Wenger, Bernice A.	Mass.
Weber, John Anthony	N.Y.	Wentworth, Eleanor Elizabeth	
Webster, Elizabeth Rankin	D.C.	B.S. 1941, Mississippi State College	Ohio
Webster, Mary Earle	D.C.	Wentworth, Lorraine Yvonne	D.C.
Webster, Ralph F.	Md.	Wetley, Charles Liggett	N.Y.
Wechsler, Herbert Milton	D.C.	Wermiel, Regina	Md.
A.B. 1943, The George Washington University		Werner, A. Yvonne	Kans.
Wedderburn, George	Va.	Werner, Frank David	
Weeden, Hazel Simmons	D.C.	B.S. 1943, Kansas State College of Agriculture and Applied Sciences	N.Y.
Weeks, Gladys Evelyn	D.C.	Werner, Seymour	
Weeks, Robert Ray	Va.	A.B. 1943, The George Washington University	Va.
Weeks, Ruby Williams	Ga.	Wertheim, David Seymour	Ill.
Weems, Benjamin Burch	Va.	Wertheim, Virginia Kathryn	Pa.
A.B. 1915, A.M. 1939, Duke University		Wertkin, Edward	S.D.
Weems, Sarah Culver	Ala.	B.S. 1938, University of Pittsburgh	D.C.
Wehr, Maurice Burton	Md.	West, Darlyne Romelle	Md.
Wehrli, Edna Florence	Va.	West, Eleanor Theodora	Md.
Weil, Joseph Marcus	Ill.	West, Mary Dorothy	Conn.
A.B. 1919, LL.B. 1942, Harvard University		West, Robert Wilcox	
Weil, Richard Sherer	D.C.	West, Vincent	W. Va.
Weilheimer, Lotte	D.C.	A.B. 1939, Amherst College	D.C.
Weimer, Ruth Maurine	Tex.	Westfall, Claribel	D.C.
Weinberg, Stanley	Ohio	Westfall, John Finley	
A.B. 1921, Ohio University		Westfall, F. Oliver	
Weinfeld, Charles	D.C.	B.S. 1942, Utah State Agricultural College	D.C.
		Westwater, Mary Elizabeth	

Wetander, Vivian Louise	Ill.	Wilburn, Daniel Banks	W.Va.
Wheaton, Charlotte Mae	Ill.	A.B. 1936, Shepherd State Teachers College, West Virginia	
Wheatley, Edythe Joan	D.C.	A.M. 1940, West Virginia University	D.C.
Wheeler, Bryon Coulam	Va.	Wilcox, Robert Lynn, Jr.	Fla.
Wheeler, Robert Prentiss	Calif.	Wilder, Polly Hodges	D.C.
A.B. 1942, University of California		Wildrick, Milo Charles	Va.
Wheeler, William Alston	D.C.	Wiley, Ernest Edgar	D.C.
Whelton, Richard Lee	D.C.	Wilgus, Beatrice	
B.S. 1943, University of Maryland		B.S. 1921, University of Wisconsin	Mich.
Wherry, Marilyn	Nebr.	Wilhelm, Lois Marie	Wis.
Whitaker, Ken Gröhn, Jr.	Tenn.	Wilkie, Horace White	
A.B. 1941, University of the South		A.B. 1938, University of Wisconsin	Iowa
Whitaker, Scott Merrill	Calif.	Wilkins, Emerson Adam	Va.
Whitcomb, Dorothy Markham	N.Y.	Wilkins, Katherine Gene	Md.
White, Alice Hermanson	Minn.	Wilkins, Verna Maundy	Fla.
White, Allan Wesley	D.C.	Wilkinson, Billie Ruth	D.C.
White, Anna Louise	Ky.	Wilcher, Constance B.	D.C.
White, Bernard Samuel	Nebr.	Wiler, Lee Herbert	D.C.
A.B. 1938, University of Nebraska		Wiler, Selma	D.C.
L.L.B. 1946, Creighton University		Willey, Earle D.	Del.
White, Clara Belle	Tex.	Ph.B. 1911, A.M. 1915, Dickinson College	
White, Clifford Charles	D.C.	Williams, Adele S.	D.C.
White, Donald Lloyd	D.C.	Williams, Ann V.	Md.
White, Edith Mary	Va.	Williams, Betty Ann	D.C.
White, Emily Matthews	Va.	Williams, Carolla Jeanne	Va.
White, Florence Grace	Ind.	Williams, Charles Sumner	D.C.
B.S. Frederick Hampton	Kans.	Williams, Clara Vaughan	D.C.
B.S. 1942, University of Kansas		Williams, Courtney Holland	N.Y.
White, George Howard	D.C.	Williams, Cynthia Ann	Mich.
A.B. 1934, Princeton University		Williams, Cyrus Jean	D.C.
L.L.B. 1937, Harvard University		B.S. 1939, Belmont College	Pa.
White, John William	D.C.	Williams, David Rlys	D.C.
White, Lee Robert	Pa.	Williams, Dorothy Goodwin	Vt.
B.S. 1942, Lehigh University		Williams, E. Rath	Ala.
White, Margaret Anne	D.C.	Williams, Earl Howard	Va.
White, Mildred Grace	Mass.	Williams, Elmer Louise	D.C.
White, Nancy Ann	Va.	Williams, Elizabeth Ann	D.C.
White, Nancy Cota	Pa.	Williams, Florence Elizabeth	Tex.
White, Philip Taylor	Ohio	Williams, Lora Frank	D.C.
White, Phyllis Roberta	D.C.	Williams, Joseph Peter	N.J.
White, Rogers Stalcup	Va.	Williams, Margaret Loretta	D.C.
White, Ruth	N.Y.	Williams, M. Cole	England
Whitehouse, Jacques Irene	D.C.	Williams, Robert Michael	D.C.
Whitfield, Agnes Claude	N.Y.	Williams, Sarah Jane	Va.
Whitford, Joseph Ansel	Ohio	Williams, Sharon Monroe	Va.
Whitley, Betty	D.C.	Williams, Vincent Hunter	Calif.
Whitmarsh, Robert Lester	Tex.	Williams, Walter Stanton	
Whitmore, Helen Bettaeue	Calif.	B.F.S. 1937, University of Southern California	
A.B. 1932, University of California at Los Angeles		Williamson, Clara Belle	Nebr.
Whitley, Mary Jane	Md.	Williamson, Edward	Mass.
Whitley, Mary Lavema	D.C.	A.B. 1928, Wabash College	
Whitley, John P.	D.C.	L.L.B. 1932, Harvard University	Md.
White, Joseph Lawrence	N.Y.	Williamson, Elsie Lane	
B.S. 1936, New York University		B.S. 1943, University of Maryland	D.C.
White, Rosalie Ann	D.C.	Williamson, Emma Elizabeth	Mass.
Whitlam, Ruth Shirley	D.C.	Williamson, Florence Elizabeth	N.Y.
Wizer, Max A.	D.C.	Wills, Dawn Elizabeth	D.C.
Whitmer, Kathleen Mae	D.C.	Wills, Paul Eugene	
Whitmer, Mary Elizabeth	Md.	A.B. 1931, Washington College	
White, Jane	D.C.	A.M. 1937, Columbia University	N.C.
Whitard, John A.	Va.	Wills, Paul B.	La.
Whitcomb, Myrtle Irene	D.C.	Wills, Paul Jackson	Lwa
Whitcomb, R. Wald Luther	N.Y.	Wills, Harry Everett	Calif.
B.A. 1940, M.S. 1947, Syracuse University		Wills, Jack William	N.Y.
White, Thomas Arnold	Pa.	Wills, Martha Bernice	Tex.
B.S. 1942, Pennsylvania State College		Wills, Robert Edward	Md.
B.C.E. 1942, Dickinson University	Va.	Wills, George Anderson	
White, William Edward J.	D.C.	B.C.E. 1927, Ohio State University	
White, M. Margaret	Pa.	M.S. 1934, University of North Carolina	
White, Richard Norman	Mass.		

Willson, Elizabeth Gilpin	D.C.	Wofford, Joseph H.
A.B. 1931, The George Washington University		Wofford, Martha Johnston
Wilmer, Avis Margery	Maine	Wogman, Marilyn June
Wilson, Andrew John	D.C.	Wohlhieter, Dorothy M.
Wilson, Betty Jean	Va.	Wojtan, Alice Ann
Wilson, Christine Shearer	Mass.	Wolcott, Cedric Manning
Wilson, David Jay	Utah	Wolf, Donald Alan
B.S. 1943, Brigham Young University		Wolf, Dorothy Lee
Wilson, Doris Allen	Mass.	Wolfe, Elvira
Wilson, Effie Christina	Iowa	Wolfe, Mary Lou
Wilson, Eleanor J. Glasgow	Minn.	Wolfe, Nathan Forrest
Wilson, Grace Elizabeth	Ohio	Wollensen, Jay Warren
Wilson, Hildreth T.	S.D.	Wolford, John Elvin
Wilson, Joseph F.	N.J.	Wolford, Leslie Howard
B.S. 1937, St. Peter's College		Wollenhaupt, Georgene E.
Wilson, Katherine Louise	D.C.	Wolverton, Anna Mae
Wilson, Mariola	Ala.	Womack, Billie Moody
Wilson, Mary Alice	Nebr.	Womack, Herman
B.S. 1939, University of Nebraska		Wong, Wing
Wilson, Mary Anne	D.C.	Wood, Betty Louise
Wilson, Nancy Clayton	Va.	Wood, Clayton Edward
Wilson, Otis D.	Va.	A.B. 1942, American University
A.B. 1942, The George Washington University		Wood, Edwin Charles
Wilson, Thomas Ashton	D.C.	Wood, Fontella Van Ness
A.B. 1942, The George Washington University		Wood, Lucy Alice
Wilson, Thomas Moser	D.C.	Wood, Sarah S.
Wilson, William David	Va.	Woodall, Margaret Johnston
Wilt, Elizabeth T.	Va.	Woodbridge, Hentley Charles
B.S. 1933, Madison College		A.B. 1943, College of William and Mary
Wimberley, Mary Alice	D.C.	Woodbury, Wallace Everett
Wimmers, Mary Teresa	Ohio	Woodcock, Wilford Lee
Winakur, Milton	D.C.	Woodin, Virginia
Winans, Faith Anderson	Fla.	A.B. 1926, The George Washington University
Winchell, Ann Marie	D.C.	Woodling, Francis Albert
Windham, Lorraine E.	D.C.	Woods, Julia Jolliffe
Windham, Marion James	D.C.	A.B. 1934, Ohio University
Windle, Helen Louise	Kans.	Woods, Roy Francis
Wine, Sarah	Mass.	Woods, Russell Marshall
Winfrey, Nancy Louise	D.C.	Woods, Sarah Elizabeth
Winger, Audrey Doris	Wis.	Woodside, Roy Holt
A.B. 1942, University of Wisconsin		Woodward, Edith Stephens
Winkert, Cecelia B.	S.D.	Woodward, Ernest Burton
Wingo, Harold Edward	Mo.	B.S. 1920, Kansas State Agricultural College
Winkrove, Donovan Marshall	W.Va.	Woodward, John Judge
Winkles, Walter George	D.C.	Woodward, Lawrence Godfrey
B.S. 1926, University of Wisconsin		Woodward, Robert Chalmers
Winslow, Allen George	Calif.	Woodard, Lulu Freer
A.B. 1938, University of California		Woolbright, James R.
Winston, Daoma	D.C.	Wooler, Gus Nick
Winston, George Otis	D.C.	Woolley, Marion Emma
Winter, Harvey John	Va.	Worden, Maryanne
A.B. 1938, A.M. 1940, University of Buffalo		Workman, Margery Ann
Winters, Helen Marie	Ill.	Wotton, R. Rhoda
Winters, Rhett Y.	D.C.	Worthington, Elaine Roberta
Wirt, Henrietta	Va.	Worthington, Phyllis Lee
Wisch, Florence Harriet	D.C.	Wottowach, John
Wise, Matthew Montgomery	D.C.	A.B. 1924, College of the City of New York
Wise, William Simpson	D.C.	L.L.B. 1925, New York Law School
Wiseman, Edith Mae	D.C.	S.J.D. 1934, Brooklyn Law School
Wiser, Vivian Doris	Md.	Wright, Clorine Annabelle
A.B. 1938, A.M. 1939, University of Maryland		Wright, Edna Lee
Wishner, Albert	N.Y.	Wright, George Wellons
Wisner, Helen	Pa.	Wright, Helen Duckson
A.B. 1920, Ursinus College		Wright, John M.
A.M. 1937, Pennsylvania State College		A.B. 1928, Wabash College
Witkowski, Gladys Gloria	D.C.	Wright, John Pooley
Wittmus, Ronald Gordon	Va.	Wright, Margaret Elizabeth
Wizda, Elizabeth M.	Pa.	A.B. 1943, The George Washington University

Wright, Mary Clonard A.B. 1942, The George Washington University	D.C.	Young, Lester Irving Young, Llewellyn Anker BS in E.E. 1938, University of Nevada	D.C. D.C.
Wright, Phyllis Jeanne	S.D.	Young, Melvin Gordon, Jr.	D.C.
Wright, Ruth Elva	D.C.	Young, Norma Elizabeth	D.C.
Wright, Waymond B.	Kans.	Young, Otis Eugene	D.C.
Wubbona, Dawn Eleanor	D.C.	Young, Regina M.	D.C.
Wuenschel, Catherine Anne	Pa.	BS 1929, Ohio State University	
Wulff, Henry	D.C.	Youngbird, Myrtle E.	N.C.
Wyche, Mary Elizabeth A.B. 1942, University of Oklahoma	Okla.	Youngblood, Rubye Olson	Mont.
Wydra, Miriam	N.Y.	A.B. 1942, The George Washington University	
A.B. 1941, The George Washington University		Youngworth, William George	N.Y.
Wydro, Margaret McDowell	Ohio	Yowell, Earl Reddiah	Va.
BS, 1941, The George Washington University		Yowell, William Bruce, Jr.	D.C.
Wygal, Kathryn	Va.	BS 1942, University of Maryland	
A.B. 1940, Mary Washington College		Yudkin, Samuel	D.C.
Wynn, Harvey Nickles, Jr.	D.C.		
		Z	
X		Zagalsky, Isidor	D.C.
Xandert, Gladys I.	Iowa	Zagst, Helen Marion	D.C.
		Zahradnik, John Joseph	Mo.
Y		A.B. 1939, University of Kansas	
Yacker, Everett Jacob	D.C.	Zalph, Rena	D.C.
Yagerholer, Fred Charles	Pa.	Zamora, Helen Louise	D.C.
Yahner, Philip Anthony	Pa.	Zaritsky, Harry Gordon	D.C.
Yahraes, Joseph K., Jr.	D.C.	BS 1933, University of Pennsylvania	
Yakey, Thelma Marie	Va.	Zegler, Mary Elizabeth	Va.
Yancey, Ann Rosebud	Va.	Zeller, Fred	N.Y.
Yancey, Samuel Conine	Pa.	BS 1939, College of the City of New York	
Yang, Tien-Yih		Zeller, William Webb	D.C.
A.B. 1937, Hankai University		A.B. 1942, The George Washington University	
A.M. 1943, Yale University			
Yarime, William	N.Y.	Zerwach, Calvin Jack	N.Y.
Yarnold, Gladys Anita	Pa.	Ziehe, Melitta Pauline	Tex.
Yarwood, William Walter	D.C.	Zierack, Carol Margaret	Ill.
Yates, Richard Anthony	Md.	Ziff, Sylvia Antonette	Fla.
Yeager, Sheffie Jonas	D.C.	Zimmer, Anne Elma	Mo.
Yearwood, William Frank	D.C.	Zimmer, David Joseph	Md.
Yeomans, Connelia Hightower	Md.	Zimmer, Esther M.	N.Y.
A.B. B.B.A. 1924, University of Texas		A.B. 1942, Hunter College	
Yerton, Lee Roy, Jr.	D.C.	Zimmerman, Herbert J.	D.C.
Yetter, Charles Ward	N.Y.	Zimmerman, Joe Allai	D.C.
BS 1939, University of Pennsylvania		A.B. 1942, Westminster College, Mo.	
LL.B. 1943, Union University		Zimmerman, Lorenz Eugene	D.C.
Yip, Chee Cheu	D.C.	A.B. 1943, The George Washington University	
BS 1940, New York University			
Yobst, Vivian Marie	D.C.	Zimmerman, William III	Ill.
Yocum, Earl Phares	Pa.	Zingaro, Fulvio Tuho	N.Y.
BS 1945, Pennsylvania State Teachers College		Zink, J. Joseph	D.C.
Yoke, Kent Arlington	W.Va.	Zlotnick, Herbert Irving	D.C.
Yokum, James William	D.C.	Zodie, Ruth Alma	D.C.
Yorkdale, Elizabeth Wilke	Md.	Zola, Ida Mary	Pa.
Yost, Charles Francis	D.C.	Zoller, Lucille Lang	
Yost, Marguerite R.	D.C.	A.M. 1946, University of Pittsburgh	Ill.
Younes, William Gabriel	D.C.	Zopf, William George	Max.
Young, Benjamin Walter	Md.	Zorzy, I. J.	D.C.
Young, Bonnie Belle	Neb.	Zott, Helen Arlene	D.C.
Young, Catherine Lorraine	Md.	Zubricky, Joseph Romaine	D.C.
Young, Celia Woollever	Mich.	Zucker, Morton David	Pa.
Young, Delcie Mary	N.C.	Zuessman, David	Maine
Young, Edward MacConnell	D.C.	Eukusit, Ellen Jorgine	N.Y.
A.B. 1941, University of Pittsburgh		Zunser, Sheila	D.C.
Young, Ina Marie	D.C.	Zwell, Gladys E.	D.C.
		Zwollenberg, Arno Hubertus	

DEPARTMENT OF DEFENSE COURSES

1943-44

STAFF OF INSTRUCTION

ENGINEERING

- Abbott, Robert W., Lt. Comdr., U.S.N.R., M.S. in C.E., C.E., *Lecturer on Engineering Contracts and Specifications*
- Allen, William A., B.S. in C.E., *Associate in Cartography*
- Ames, Norman Bruce, Colonel, U.S.A., M.S., E.E., LL.B., *Supervisor of Electrical Engineering*
- Anderson, Bruce E., A.B., *Lecturer on Elements of Interior Ballistics*
- Anderson, George Lincoln, Sr., *Lecturer on Heating, Ventilating, and Elements of Air Conditioning*
- Ask, Reynold Everett, B.S. in C.E., *Lecturer on Photogrammetry*
- Ballam, Joseph, B.S., *Associate in Principles of Radio*
- Bennett, Evert G., B.E.E., *Associate in Electrical Motor Applications and Controls*
- Brown, Thomas Benjamin, Ph.D., *Supervisor of Geophysics*
- Burger, Clarence W., Jr., *Lecturer on General Engineering Drafting*
- Burnight, Thomas R., M.S., *Associate in Fundamentals of Ultra-High-Frequency Radio*
- Carpenter, Carl Arthur, B.S., *Lecturer on Theory of Reinforced Concrete Design*
- Cheney, Walter Lynn, Ph.D., *Supervisor of Physics*
- Clarkson, Clarence W., Jr., B.S. in E.E., *Lecturer on Illumination*
- Cohen, Arthur R., B.S., *Lecturer on Calculus for Engineering and Research Personnel*
- Cruikshanks, Benjamin Carpenter, B.S. in M.E., *Lecturer on Thermodynamics; Educational Supervisor of Mechanical Engineering*
- Cunningham, Robert Teed, B.S. in N.A. and Mar. Eng., M.S., *Lecturer on Naval Architecture*
- Darnell, Richard C., B.S., *Lecturer on Aircraft Radio and Engineering Instruments*
- Davids, Norman, Ph.D., *Lecturer on Methods of Applied Mathematics*
- Dobrin, Milton B., M.S., *Lecturer on Petroleum Geophysics*
- Douglas, Walter Robinson, B.C.E., *Associate in Building Construction and Supervision*
- Dutton, Harold Harrison, B.S. in C.E., *Lecturer on Elementary Engineering Mechanics and Strength of Materials*
- Dyke, Edwin Livingston, B.S. in E.E., *Lecturer on Fundamentals of Ultra-High-Frequency Radio*
- Eagleton, Sterling P., M.E., *Lecturer on Advanced Air Conditioning*
- Edutis, Vitold Leopold, M.S. in E.E., *Associate in Fundamentals of Ultra-High-Frequency Radio*
- Ennis, Alfred G., M.S.E.E., D.Eng., *Supervisor of Electrical Engineering*
- Erps, Harry R., B.S. in C.E., LL.B., *Lecturer on Advanced Reinforced Concrete Design*
- Feiker, Frederick Morris, B.S. in E.E., D.Eng., *Institutional Representative*
- Fojt, Albin A., A.M., *Lecturer on Introductory Engineering Mathematics*
- Freedman, Moses, B.S., *Lecturer on Elementary Mathematics for Engineering Computations*
- Fuhrman, Ralph Edward, B.S. in C.E., M.S., *Lecturer on Water Supply, Sewerage and Camp Sanitation*

- Greenspan, Martin, B.S. in E.E., *Lecturer on Advanced Engineering Mathematics*
 Gurney, F. Taylor, Ph.D., *Lecturer on Foundations of Engineering*
 Hafstrom, John Robert, M.S. in E.E., *Lecturer on Fundamentals of Ultra-High-Frequency Radio*
 Hamill, John Stafford, B.S. in M.E., *Lecturer on Production Engineering*
 Hanscome, Thomas D., A.M., *Lecturer on Problems in Practical Radio Engineering*
 Heilprin, Laurence B., Ph.D., *Lecturer on Circuit Analysis by Operational Methods*
 Higginson, W. S., B.S. in C.E., M.S., *Lecturer on Cartography*
 Hill, Frederick W. L., E.E., *Lecturer on Electrical Motor Applications and Control*
 Hitchcock, Frank Artemas, M.S. in C.E., C.E., *Director, Engineering War Training Courses*
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Higgenbotham, Anna
Hill, Dudley J., Jr.
Hines, Vera C.
Hoffman, Ruth
Holman, Anna C.
Honemichl, Evalyn A.
Horan, Catherine V.
Horton, Robert W.
Howe, Ruth H.
Hutson, Eugene C.

I

Ihle, Dora M.

J

Jack, Helen M.
Jackson, Eileen
Jackson, Pauline R.
Jett, Laura
Jewell, Ouida
Jones, Samuel E.

K

Karl, Paul Joseph, Jr.
Karro, Jacob
Kellee, Ruth
Kernodle, George R.
Kernodle, Portia
Klein, Franklyn, Jr.
Klein, Lois C.
Kleinheinz, Eleanore A.
Klett, Carlene M.
Kogon, David
Kolton, Julius J.
Koon, Jackson L.
Krug, Elsie Henrietta

L

Langdon, Anne E.
 Langston, John D.
 Lawson, Dorcas
 Lee, Mary
 Lees, Evelyn S.
 Lehman, Charles A.
 Leighton, Richard E.
 Levitt, Jesse
 Lewis, Elizabeth H.
 Lewis, Evelyn W.
 Lewis, Mary G.
 Lieblisch, Lenore D.
 Linscott, Laura
 Lipsman, Alexander
 Little, Virginia C.
 Lloyd, Olwen
 Lorencik, Agnes L.

M

MacDonald, Gertrude Z.
 MacKenzie, Albert H.
 Madaris, Sybil
 Maksim, George
 Manuel, Glenn H.
 Manvell, William
 Marshall, Elliot
 Mavity, Robert
 May, Harrison, S.
 McCabe, John D.
 McCary, Harry W.
 McDonald, Gertrude
 McDonald, Helen S.
 McKaig, Helen M.
 McKentie, Lawson M.
 McKibben, William T.
 McMillan, William G.
 Mergler, Clara
 Michael, Edgar P.
 Miesse, Ana C.
 Miles, Catherine C.
 Millard, Ruby C.
 Miller, Joan B.
 Mitchener, Janie A.
 Money, Mary E.
 Mullen, Lille D.
 Mullin, Edward F.
 Murray, Donald M.

N

Neal, William L.
 Neff, Margie E.
 Nesbit, Barbara
 Newman, Helen Carmack
 Newton, Donald A.

Noble, Beth W.
 Noble, Levi
 Norcia, Ralph F.

O

Obear, Mildred F.
 O'Brien, Evelyn F.
 O'Brien, George N.
 Ostapeck, Walter J.

P

Pardee, Howard B.
 Parks, Catherine C.
 Paroni, Theresa C.
 Parrish, Roland E.
 Payden, Carl I.
 Pelissier, Raymond F.
 Perry, Alice L.
 Peterson, Anne L.
 Pfalzgraff, M. C.
 Pollack, Inez
 Potts, Ethel
 Powell, Jane Swift
 Pyle, Isabelle M.

Q

Quigg, Ida M.
 Quinlivan, Ferne

R

Radius, Virginia R.
 Redfern, Virginia S.
 Reed, Mary
 Reese, Bobby L.
 Reumont, Winifred R.
 Rhame, Ida E.
 Rhodes, Paulita M.
 Rice, Henry Hart
 Rieger, Dorothea P.
 Riggi, Louise C.
 Rizzo, Frank
 Roller, Alma
 Root, Dora V.
 Roskelly, Lois
 Ross, Clifford E.
 Ross, Leo
 Rothman, S.
 Rous, Helen B.
 Rowan, Leata P.
 Ruhl, Mary Latimer

S

Salvarezza, Joan E.
 Salvarezza, Richard L.
 Sandomire, Marion M.

Sarabak, John P.
 Schlepp, Elsie
 Schoenecker, Kathleen M.
 Schwartz, Dorothy L.
 Schwartz, Ruth
 Segal, Robert J.
 Shannon, Ruth E.
 Shaternick, Metro
 Shawkey, Arthur A.
 Sheeter, Vanita E.
 Shen, Marie L.
 Short, Alice
 Shotwell, C.
 Shykula, Anna M.
 Siegel, Richard M.
 Sieker, George F.
 Silver, Vivian M.
 Silverman, Abner D.
 Simon, Bertha M.
 Slepecky, Elizabeth
 Smith, Dorothy Ann
 Smith, Emma S.
 Smith, Kassie Carter
 Smith, Linore M.
 Smith, Mildred P.
 Smolen, Helen
 Snodgrass, Audrey M.
 Snoeborgen, Edith Miller
 Soberg, Marilyn S.
 Soo-Hoo, Theodore L.
 Spear, Sylvia
 Spencer, Frank N., Jr.
 Sprigg, Katherine F.
 Spritzer, Hermann M.
 Stalsburg, Elizabeth M.
 Staples, Hugh Baker
 Stasy, Mary
 Stayman, Joseph W.
 Stiekler, Evelyn M.
 Streinz, Clara J.
 Strick, Ellis
 Sullivan, Inez C.
 Sutherland, Joel

T

Tanaka, Chester Gary
 Taylor, R. Albion, Jr.
 Taylor, William H.
 Tercero, Dorothy M.

Teufer, Joyce M.
 Thomas, Helen A.
 Thompson, Thelma S.
 Thompson, Viola
 Thorner, Nita
 Tippet, Esther B.
 Tomb, Helen K.
 Truesdell, Constance E.

U

Ullman, Morris B.

V

Van Dorn, Harold A.
 Van Sant, Leo Russell
 Van Valkenburgh, Curtis C.
 Velichko, Vera
 Vice, Cline Lowell
 Von Schon, Virginia

W

Walther, Don H.
 Webb, James L.
 Wellstone, Leon S.
 Wentworth, Lorraine Y.
 White, Elizabeth Anne
 Whitehurst, Bernard
 Whittington, Edith S.
 Williams, Kathryn F.
 Williams, Ruth
 Williford, Imogen
 Willis, Earl Sidney
 Willoughby, Edwin E.
 Wilson, Elizabeth Cecil
 Wilson, Virginia M.
 Wiser, Louise Nicholas
 Wolak, Rosalie T.
 Wood, Mary R.
 Workun, Mary
 Wyckoff, Dorothy

Y

Young, Ruth Maude

Z

Zionson, Esther
 Zoll, Donald Lionel
 Zolyak, Mushana D.

SUMMARY OF REGISTRATION

1943-44

THE JUNIOR COLLEGE

Freshmen	1,299
Sophomores	573

1,872

COLUMBIAN COLLEGE

Juniors	225
Seniors	162
Candidates for the degree of Master of Arts.....	119
Candidates for the degree of Master of Science.....	54

560

THE GRADUATE COUNCIL

Candidates for the degree of Doctor of Philosophy.....	35
--	----

595

THE SCHOOL OF MEDICINE

Class entering November 1943.....	85
Class entering March 1943.....	84
Class entering June 1942.....	75
Class entering September 1941.....	76
Class entering September 1940.....	65

385

THE LAW SCHOOL

First Year	170
Second Year	59
Third Year	43
Candidates for the degree of Master of Laws.....	20
Candidates for the degree of Doctor of Juridical Science.....	6
Unclassified	33
Special	5

336

THE SCHOOL OF ENGINEERING

Freshmen	145
Sophomores	41
Juniors	39
Seniors	47

272

THE SCHOOL OF PHARMACY

Juniors	6
Seniors	8

14

Summary of Registration

421

THE SCHOOL OF EDUCATION

Juniors	67	
Seniors	37	
Candidates for the degree of Master of Arts.....	137	
Candidates for the degree of Doctor of Education.....	40	
	<hr/>	281

THE SCHOOL OF GOVERNMENT

Juniors	37	
Seniors	32	
Candidates for the degree of Master of Arts.....	60	
	<hr/>	129

THE DIVISION OF UNIVERSITY STUDENTS

University Students	2,877	
	<hr/>	2,877

GENERAL SUMMARY

Students registered, Academic Year 1943-44.....	6,761	
Students registered, Summer Sessions 1943.....	2,576	
Total number of registrations.....	9,337	
Duplicates	1,609	
Total number of students registered.....	7,728	

GEOGRAPHICAL DISTRIBUTION OF STUDENTS

1943-44

State	Number	South Carolina	Number
Alabama	54	South Dakota	4
Arizona	14	Tennessee	130
Arkansas	46	Texas	33
California	121	Utah	14
Colorado	21	Vermont	86
Connecticut	71	Virginia	47
Delaware	8	Washington	8
District of Columbia	3,022	West Virginia	8
Florida	60	Wisconsin	11
Georgia	49	Wyoming	
Idaho	25		
Illinois	183	Country	
Indiana	64	Alaska	1
Iowa	79	Bolivia	2
Kansas	57	Brazil	1
Kentucky	40	British Columbia	10
Louisiana	24	Canada	0
Maine	28	China	1
Maryland	540	Cuba	1
Massachusetts	134	Ecuador	1
Michigan	64	England	1
Minnesota	91	Finland	1
Mississippi	54	Germany	4
Missouri	65	Hawaii	1
Montana	25	Mexico	1
Nebraska	63	Nova Scotia	0
Nevada	12	Panama	1
New Hampshire	9	Philippine Islands	14
New Jersey	105	Puerto Rico	1
New Mexico	10	Russia	1
New York	530	Scotland	1
North Carolina	101	South Africa	1
North Dakota	24	Switzerland	1
Ohio	136	Thailand	2
Oklahoma	65	Turkey	
Oregon	20		
Pennsylvania	321		
Rhode Island	22	Total	7,728

GENERAL SUMMARY

1943-44

TEACHING STAFF

Professors Emeritus	25
Professors	51
Adjunct Professors	18
Professorial Lecturers	11
Clinical Professors	20
Adjunct Clinical Professors	5
Associate Professors	22
Associate Clinical Professors	5
Associates in the School of Medicine	37
Assistant Professors	22
Assistant Clinical Professors	9
Lecturers	43
Instructors	19
Clinical Instructors	90
Research Associates	5
Associates	47
Fellows	13
Assistants	4
Total	• 446

STUDENTS REGISTERED

The Junior College	1,872
Columbian College	560
The Graduate Council	35
The School of Medicine	385
The Law School	336
The School of Engineering	272
The School of Pharmacy	14
The School of Education	281
The School of Government	129
The Division of University Students	2,877
The Summer Sessions 1943	2,576
Total number of registrations	9,337
Duplicates	1,609
	7,728

CERTIFICATES AWARDED AND DEGREES CONFERRED

Junior Certificates	238
Bachelor of Arts	126
Bachelor of Arts in Education	24
Bachelor of Arts in Government	32
Bachelor of Science	25
Bachelor of Science in Engineering	3
Bachelor of Civil Engineering	4

* Not including 52 on war leave.

Bachelor of Electrical Engineering	11
Bachelor of Mechanical Engineering	12
Bachelor of Science in Home Economics	1
Bachelor of Science in Pharmacy	12
Bachelor of Science in Physical Education	8
Bachelor of Laws	30
Master of Arts	10
Master of Arts in Education	23
Master of Arts in Government	5
Master of Science	2
Master of Laws	7
Juris Doctor	8
Doctor of Medicine	65
Doctor of Education	1
Doctor of Philosophy	6
Total	654



THE LAW SCHOOL

1944-45

THE
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WASHINGTON
UNIVERSITY
BULLETIN

VOL. XLIII

No. 3

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WASHINGTON, D. C.

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BY THE UNIVERSITY

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CALENDAR OF THE LAW SCHOOL

1944-45

Date	Day	Occasion
1944		
Fall Term:		
Sept. 11-27.....	Preregistration period for the fall term
Sept. 19.....	Tuesday	Fall Convocation
Sept. 29 and 30...	Friday and Saturday.	Registration for the fall term
Oct. 2.....	Monday	Fall term begins
Nov. 23.....	Thursday	Thanksgiving Day. Holiday
Nov. 24 and 25....	Friday and Saturday.	Mid-term examinations
1945		
Dec. 23-Jan. 1....	Saturday through Monday	Christmas recess
Jan. 2.....	Tuesday	Classes resume
Jan. 15-27.....	.....	Preregistration period for the winter term
Jan. 26-Feb. 1....	Friday through Thursday	Final examinations
Jan. 31 and Feb. 1.	Wednesday and Thursday	Registration for the winter term
Winter Term:		
Feb. 2.....	Friday	Winter term begins
Feb. 22.....	Thursday	Winter Convocation. Holiday
March 28 and 29..	Wednesday and Thursday	Mid-term examinations
March 30 and 31..	Friday and Saturday.	Easter recess
May 14-June 2....	.....	Preregistration period for the summer term
May 21-26.....	Monday through Saturday	Final examinations
May 27.....	Sunday	Baccalaureate sermon
May 30.....	Wednesday	Memorial Day. Commencement
Summer Term:		
June 4.....	Monday	First session begins
July 4.....	Wednesday	Independence Day. Holiday
July 28.....	Saturday	First session ends
July 30.....	Monday	Second session begins
Sept. 3.....	Monday	Labor Day. Holiday
Sept. 22.....	Saturday	Second session ends
Oct. 1.....	Monday	Fall term 1945-46 begins

THE UNIVERSITY

THE BOARD OF TRUSTEES

The Board of Trustees of the University is composed of the President of the University *ex officio* and the following persons by election:

Robert Vedder Fleming, LL.D., *Chairman*
Harry Cassell Davis, A.M., L.H.D., *Secretary*
Henry Parsons Erwin, A.B., *Assistant Secretary*

Avery DeLano Andrews, B.S., LL.B.
Clarence Aiken Aspinwall
*Harvey Cleveland Bickel, LL.B.
John St. Clair Brookes, Jr., A.M., LL.B.
*Bennett Champ Clark, A.B., LL.B.
John Henry Cowles, LL.D.
Homer Cummings, Ph.B., LL.B., LL.D., L.H.D.
*Newell Windom Ellison, A.B., LL.B.
Mrs. Joshua Evans, Jr., A.B., Ed.D.
*George Edgar Fleming, LL.M.
*Robert Elliott Freer, A.B., LL.M.
Charles William Gerstenberg, Ph.B., LL.B., J.D.
Charles Carroll Glover, Jr., A.M., LL.B.
Ulysses S. Grant, 3d, B.S., Graduate United States Engineers' School
Gilbert Grosvenor, A.M., LL.D., Litt.D.
John Edgar Hoover, LL.M., LL.D.
Alfred Henry Lawson, LL.B.
Theodore Williams Noyes, A.M., LL.M., LL.D.
Luther Halsey Reichelderfer, M.D., LL.D.
Mrs. Henry Alvah Strong, LL.D.
Merle Thorpe, A.B.
Walter Rupert Tuckerman, A.B., LL.B.
*Alexander Wilbourne Weddell, LL.B., Litt.D., LL.D.
Chester Wells, B.S., Graduate United States Naval War College
Lloyd Bennett Wilson

* Nominated by the alumni.

OFFICERS OF ADMINISTRATION

THE UNIVERSITY

Cloyd Heck Marvin, Ph.D., LL.D., *President of the University*
Harold Griffith Sutton, M.S., *Director of Admissions*
Fred Everett Nessell, A.B., *Registrar; Secretary of the Faculties*
John Russell Mason, B.S. in L.S., A.M., *Librarian; Curator of Art*
*Mitchell Dreese, Ph.D., *Dean of the Summer Sessions*
Myrna Pauline Sedgwick, A.B., *Administrative Secretary*
Henry William Herzog, B.S., *Comptroller*
Allen Howard Connolly, B.S., *Business Manager*
*Daniel LeRay Borden, A.M., M.D., *Director of Health Administration*
Benjamin Franklin Dean, M.S., M.D., *Acting Director of Health Administration*
Vinnie Giffen Barrows, A.M., *Director of Personnel Guidance*
*Claud Max Farrington, A.M., *Adviser on Physical Education*
Lester Allan Smith, A.M., *Alumni Secretary*

THE LAW SCHOOL

William Cabell Van Vleck, A.B., LL.B., S.J.D., *Dean of the Law School*
Anna Marie Bischoff, A.B., *Secretary to the Dean of the Law School*
Norma Sherrod Hatfield, A.B., *Acting Assistant Librarian in Charge of the Law Library*

* On war leave 1944-45

THE UNIVERSITY

HISTORY AND ORGANIZATION

The idea of a university in the Capital of the Nation was sponsored by George Washington, who during his public life urged the establishment of such an institution and who in his will left fifty shares of stock in the Potomac (Canal) Company for the endowment of a university to be established in the District of Columbia "to which the youth of fortune and talents from all parts thereof might be sent for the completion of their Education in all the branches of polite literature;—in arts and Sciences,—in acquiring knowledge in the principles of Politics & good Government".

The George Washington University operates under a charter granted by an act of Congress of February 9, 1821, to Columbian College in the District of Columbia. In 1873 the name was changed to "Columbian University" and in 1904 to "The George Washington University".

The University as it is now organized consists of the Junior College, comprising the work of the freshman and sophomore years; Columbian College, the senior college of liberal arts, which offers work leading to the Bachelor's and Master's degrees; the Graduate Council, which offers work leading to the degree of Doctor of Philosophy; the professional schools, which include Medicine, Law, Engineering, Pharmacy, Education, and Government; the Division of University Students, which leads to no degree but makes the work of the University accessible to the mature student; the Division of Extension; the Inter-American Center; and the Summer Sessions.

ACADEMIC STATUS

The George Washington University is on the approved list of the Association of American Universities, the standard accrediting body for the United States. This fact not only assures to students the academic standards of this accrediting body, but also is important to those who desire to transfer credits from one institution to another.

The University is also accredited by its regional accrediting agency, the Middle States Association of Colleges and Secondary Schools, and is on the approved list of the American Association of University Women.

The Law School is a charter member of the Association of American Law Schools and is approved by the Council of Legal Education of the American Bar Association.

LOCATION

The George Washington University is in downtown Washington, four blocks west of the White House and east of the Potomac River with its extensive parkway. Within a few blocks are the buildings housing the offices of many of the departments of the Government, including the Department of State, the Department of the Treasury, the Department of War, the Department of Justice, the Department of the Navy, the Department of the Interior, the Department of Agriculture, the Department of Commerce, and the Department of Labor. The Corcoran Gallery of Art, the Pan American Union Building, and the National Academy of Sciences are also near by; and the Capitol and the Library of Congress are readily accessible.

THE LAW SCHOOL

THE LAW SCHOOL

THE FACULTY

CLOYD HECK MARVIN

President of the University

A.B. 1915, A.M. 1916, University of Southern California; A.M. 1917, Ph.D. 1919, Harvard University; LL.D. 1923, University of New Mexico. Instructor 1914-15, University of Southern California; Assistant Professor 1919-20, Associate Professor of Commerce, Assistant Director, and Dean 1920-22, University of California at Los Angeles; Professor of Economics, President 1922-27, University of Arizona. President 1927-. The George Washington University.

WILLIAM CABELL VAN VLECK

Professor of Law; Dean of the Law School

A.B. 1908, LL.B. 1911, The George Washington University; S.J.D. 1921, Harvard University. Member Summer Sessions Faculty 1924 and 1929 at University of Michigan, 1927 at Stanford University, 1934 at University of Chicago, one of the Advisers to the Reporter on Conflict of Laws 1926-34, American Law Institute; Research Fellow 1930-31, Harvard University Law School; Instructor in Law 1912-16, Assistant Professor of Law 1916-19, Professor of Law 1919-. Secretary of the Law School 1912-20, Acting Dean of the Law School 1923-24, Dean of the Law School 1924-. The George Washington University.

Subjects: Conflict of Laws, Torts

WALTER COLLINS CLEPHANE

Professor Emeritus of Law

LL.B. 1889, LL.M. 1890, LL.D. 1933, The George Washington University. Member 1899-. Committee on Admissions and Grievances, District Court of the United States for the District of Columbia, Member 1906-. Conference of Commissioners on Uniform State Laws. In Practice of Law 1889-, now Member of Clephane, Latimer and Hall, Washington (D. C.). Instructor in Moot Court 1899-1900, Professor of Law 1900-36, Professor Emeritus of Law 1936-. The George Washington University.

WENDELL PHILLIPS STAFFORD

Professor Emeritus of Law

LL.B. 1884, Boston University; A.M. 1901, Dartmouth College; LL.D. 1905, Litt.D. 1929, University of Vermont; LL.D. 1926, Georgetown University; Litt.D. 1940, Middlebury College; Litt.D. 1946, The George Washington University. Judge 1900-1904, Supreme Court of Vermont, Associate Justice 1904-11, Supreme Court of the District of Columbia, Lecturer on Agency 1924-27, Georgetown University. Professor of Law 1908-29, Professor Emeritus of Law 1929-. The George Washington University.

JOHN WILMER LATIMER

Professor Emeritus of Law

LL.B. 1897, The George Washington University. In Practice of Law 1906-13, 1917-. Judge 1913-17, Juvenile Court of the District of Columbia, Member 1918-. Clephane, Latimer and Hall, Washington (D. C.), Clerk of the Moot Court 1904-7, Instructor in Law 1908-9, Assistant Professor of Law 1911-13, Professor of Law 1913-42, Professor Emeritus of Law 1942-. The George Washington University.

GILBERT LEWIS HALL

Professor Emeritus of Law

A.B. 1899, Swarthmore College, LL.B. 1918, The George Washington University. Teacher and Division Superintendent of Schools 1901-10, P. I., with U. S. Indian Service 1912-18, in Practice of Law with Clephane and Latimer, Washington (D. C.) 1918-36, Member 1916-. Clephane, Latimer and Hall, Washington (D. C.), Lecturer in Law 1920-28, Adjunct Professor of Law 1937-42, Professor Emeritus of Law 1942-. The George Washington University.

WALTER LEWIS MOLL*Professor Emeritus of Law*

A.B. 1898, Concordia College (Ind.); Graduate 1899, Concordia Theological Seminary (St. Louis); LL.B. 1923, Indiana University; S.J.D. 1924, Harvard University; University Scholar 1902-3, University Fellow 1901-4, Johns Hopkins University; Professor of English 1901-6, Professor of Greek 1900-20, Concordia College (Ind.); in Practice of Law with Olds & Thomas, Fort Wayne (Ind.) 1920-22; Instructor in Commercial Law 1920-21, Instructor in Law 1921-23, Indiana University; Professor of Law 1923-43; Professor Emeritus of Law 1943-. The George Washington University.

CHARLES SAGER COLLIER*Professor of Law*

A.B. 1911, LL.B. 1915, S.J.D. 1922, Harvard University. In Practice of Law with Rounds, Schurman and Dwight (later Hughes, Schurman and Dwight), New York City 1915-16; Member Staff 1918-19, Cornell University Law School; Ezra Ripley Thayer Teaching Fellow 1911-12, Harvard University Law School; Member Faculty, Second Semester 1915-16, University of Wisconsin Law School; Assistant Professor of Law 1918-21, Acting Dean of the Law School 1930-31, Professor of Law 1921-. The George Washington University.

Subjects: Administrative Law, Constitutional Law, Jurisprudence, Public Utilities, Taxation, Federal Jurisdiction

HECTOR GALLOWAY SPAULDING*Professor of Law*

B.S. 1900, University of Minnesota; LL.B. 1903, S.J.D. 1923, Harvard University. Acting Assistant Professor of Law 1914-15, Stanford University; in Practice of Law with Rich, Woodford, Boyce and Butcher, New York City; with Cassoday, Butler, Lamb and Fayer, Chicago; Assistant Professor of Law 1920-22, Professor of Law 1922-. The George Washington University.

Subjects: Business Associations, Contracts, Equity, Property

WILLIAM THOMAS FRYERProfessor of Law*

A.B. 1922, LL.B. 1924, The George Washington University; J.D. 1925, Yale University. In Practice of Law with William Pepper Constable, Baltimore (Md.) 1924-26; Assistant Professor of Law 1926-29, Associate Professor of Law 1929-40; Professor of Law 1940-. The George Washington University.

Captain, United States Marine Corps Reserve

SAUL CHESTERFIELD OPPENHEIM*Professor of Law; Editor-in-Chief of the Law Review*

A.B. 1918, A.M. 1920, Columbia University; J.D. 1926, S.I.D. 1920, University of Michigan. Instructor in Economics 1921-26, Teaching and Research Assistant to Dean of Law School 1926-27, University of Michigan; Assistant Professor of Law 1927-30, Associate Professor of Law 1930-40, Professor of Law 1940-. The George Washington University.

Subjects: Negotiable Instruments, Sales, Trade Regulation

CARVILLE DICKINSON BENSONProfessor of Law*

A.B. 1920, Johns Hopkins University; LL.B. 1923, S.J.D. 1926, Harvard University. In Practice of Law with Benson, Nock & Rowe, Baltimore (Md.) 1924-25; Assistant Professor of Law 1926-29, Emory University; Assistant Professor of Law 1929-31, Associate Professor of Law 1931-43, Professor of Law 1943-. The George Washington University.

Lieutenant Commander, United States Naval Reserve

†LOYD HALL SUTTON*Adjunct Professor of Law*

B.S. 1908, Massachusetts Institute of Technology; LL.B. 1913, The George Washington University. Assistant Instructor in Engineering 1908-9, Massachusetts Institute of Technology, Assistant Examiner 1909-10, U. S. Patent Office; in Practice of Law 1910-1917-15, Adjunct Professor of Law 1935-. The George Washington University.

Subject: Patent Law

* On war leave 1944-45.

† The title "Adjunct Professor" indicates that the faculty member is of full professorial rank but carries only a limited schedule of instruction and is primarily engaged in the active administration or practice of law on the bench or before the bar.

SPENCER GORDONAdjunct Professor of Law*

A.B. 1900, Princeton University; LL.B. 1912, The George Washington University. In Practice of Law 1912, Washington (D. C.) and Chicago; Member Covington, Burling, Roblee, Acheson and Shorb, Washington (D. C.). Lecturer in Law 1922-25, Adjunct Professor of Law and Judge of the Moot Court 1936-. The George Washington University.

Subject: Moot Court

CONWAY PEYTON COEAdjunct Professor of Law*

A.B. 1918, Randolph-Macon College; LL.B. 1922, The George Washington University. Assistant Examiner 1918-23, U. S. Patent Office; in Practice of Law 1924-33, U. S. Commissioner of Patents 1933-; Adjunct Professor of Law 1937-. The George Washington University.

Subject: Patent Moot Court

LEVI RUSSELL ALDEN*Adjunct Professor of Law*

A.B. 1903, A.M. 1904, LL.B. 1906, The George Washington University; A.M. 1907, Harvard University. In Practice of Law 1908, Washington (D. C.); Assistant in History 1908-4, Instructor in History 1904-6, Assistant Professor of History 1911-20, Assistant Professor of Commercial Law 1913-22, Professor of Commercial Law 1922-28, Lecturer on Admiralty 1920-18, Adjunct Professor of Law 1938-. The George Washington University.

Subject: Admiralty

GEORGE BOWDOIN CRAIGHILLAdjunct Professor of Law*

A.B. 1903, University of the South; LL.B. 1906, Georgetown University. Member M. Kenney, Fluency and Craighill; Lecturer 1914-24, Washington College of Law; Adjunct Professor of Law 1919-. The George Washington University.

Subject: Moot Court

JAMES WARD MORRISAdjunct Professor of Law*

A.B. 1912, University of North Carolina. In Practice of Law 1913-33, Special Assistant to the Attorney General 1933-34, Assistant Attorney General of the United States 1934-39; Associate Justice 1939-. United States District Court for the District of Columbia; Adjunct Professor of Law 1939-. The George Washington University.

Subject: Moot Court

JAMES OLIVER MURDOCKAdjunct Professor of Law*

Ph.B. 1916, University of Chicago; LL.B. 1924, Harvard University. Student, Summer 1920, Academy of International Law at The Hague. In Practice of Law with Cadwallader, Wickersham and Taft 1924-25, New York City; Assistant U. S. Attorney 1925-27, Southern District of N. Y.; Assistant Solicitor and Assistant Legal Adviser 1927-36, U. S. Dept. State; Counsel for the United States 1929-33, International Joint Commission, United States-Canada; Secretary to American Delegation 1928-29, International Conference of American States on Conciliation and Arbitration; Counsel for United States 1932-1936, United States Sweden Arbitration; in Private Practice of Law 1937-. Lecturer in Law 1930-. The George Washington University.

Subjects: Comparative Law, International Law

THOMAS ARMITAGE LARREMORE*Visiting Professor of Law*

A.B. 1911, Yale University; LL.B. 1916, A.M. 1922, Columbia University. Dean and Professor of Law 1933-34, Hartford College of Law; Professor of Law 1919-23, University of Oregon; 1921-22, Tulane University; 1922-29, University of Kansas.

Subjects: Property I, Evidence, Civil Procedure, Labor Law, Domestic Relations

* The title "Adjunct Professor" indicates that the faculty member is of full professional rank, but carries only a limited schedule of instruction and is primarily engaged in the active administration or practice of law on the bench or before the bar.

EARL CASPAR ARNOLD*Visiting Professor of Law*

A.B. 1906, LL.D. 1930, Baker University; LL.B. 1909, Northwestern University. Professor of Law 1914-17, University of Idaho; 1917-19, University of Florida; 1919-22, University of Cincinnati; 1923-30, The George Washington University; Professor of Law and Dean of the Law School 1930-; Vanderbilt University; Visiting Professor of Law summer sessions 1921-25, Northwestern University.

Subject: Security Transactions

MILLARD BRECKENRIDGE*Visiting Professor of Law*

Ph.B. 1917, University of Chicago; LL.B. 1918, Yale University. Assistant Professor of Law 1922-24, State University of Iowa; Associate Professor of Law 1924-27, Western Reserve University; Professor of Law 1927-; University of North Carolina.

Subject: Agency

JAMES FORRESTER DAVISONAssociate Professor of Law*

A.B. 1921, LL.B. 1921, Dalhousie University; LL.M. 1924, S.J.D. 1929, Harvard University. Lecturer in Roman Law and Jurisprudence, 1924-28, Assistant Professor of Roman Law and Jurisprudence 1928-29, University of Toronto; Brandeis Research Fellow 1928-29, Research Fellow 1929-30, Harvard University; Assistant Professor of Law 1930-36, Associate Professor of Law 1936-; The George Washington University.

Principal Attorney, War Production Board

JOHN ALBERT MCINTIREAssociate Professor of Law*

A.B. 1928, Wittenberg College; LL.B. 1931, University of Cincinnati; Research Fellow 1935-36, Harvard University Law School; Editor 1937-; *Municipal Law Journal*; Executive Director 1938-; National Institute of Municipal Law Officers; Faculty Editor in Chief 1938-42, *The George Washington Law Review*; Instructor in Law 1938-42, Assistant Professor of Law 1935-38, Associate Professor of Law 1938-; The George Washington University.

Lieutenant, United States Naval Reserve

WILLIAM RANDALL COMPTONAssociate Professor of Law*

LL.B. 1928, Union University (N. Y.); M.B.A. 1931, Harvard University; J.S.D. 1933, Cornell University. Clerk to Committee on Labor and Industry 1925-28, New York State Senate; Dean and Professor of Business Administration 1931-32, Green Mountain Junior College; in Practice of Law with McDowell and McDowell 1933-35, Elmira (N. Y.); Assistant Professor of Law 1935-40, Associate Professor of Law 1940-; The George Washington University.

Major, Army of the United States

CHESTER CHARLES WARDAssociate Professor of Law*

B.S. 1931, Georgetown University; LL.B. 1933, LL.M. 1936, The George Washington University. Legal Editor 1933-35, *U. S. Law Week*; Associate Editor 1937-; *Law Relations Reporter*; Instructor in Law 1935-37, Assistant Professor of Law 1937-40, Associate Professor of Law 1940-; The George Washington University.

Lieutenant Commander, United States Naval Reserve

†CLARENCE ALTHIA MILLER*Lecturer in Law*

LL.B. 1919, LL.M. 1921, The George Washington University. General Counsel, The American Short Line Railroad Association; Lecturer in Law 1923-; The George Washington University.

Subject: Interstate Commerce Law and Procedure

* On war leave 1944-45.

† On leave of absence 1944-45.

JAMES ROBERT KIRKLAND

Lecturer in Law

A.B. 1927, LL.B. 1928, LL.M. 1929, The George Washington University. Assistant U. S. Attorney for the District of Columbia 1929-34; Member 1938- , Cromelin, Townsend, Cummins and Kirkland, Washington (D. C.); Lecturer in Law 1934- , The George Washington University.

Subject: Criminal Law

***JAMES ALBERT PIKE**

Lecturer in Law

A.B. 1924, LL.B. 1926, University of Southern California. J.S.D. 1928, Yale University. Seeling Fellow 1926-27, Yale University; Legal Assistant 1917, American Law Institute. Lecturer in Law 1938-39, Catholic University of America; Attorney 1938- , U. S. Securities and Exchange Commission; Lecturer in Law 1919- , The George Washington University.

Lieutenant, United States Naval Reserve

WILLIAM LEIGH ELLIS

Lecturer in Law

A.B. 1924, Hillsdale College. LL.B. 1923, LL.M. 1926, The George Washington University. Special Claims Examiner 1926-27, U. S. General Accounting Office; Attorney 1928-32, Principal Attorney 1942- , Office of the Comptroller General of the United States. Lecturer in Law 1942- , The George Washington University.

Subject: Municipal Corporations

JUSTIN LINCOLN EDGERTON

Lecturer in Law; Clerk of the Moot Court

A.B. 1929, LL.B. 1931, The George Washington University. In Practice of Law 1933-39, with Frank F. Nesbit, Washington (D. C.); Member 1939- , Nesbit, Pledger and Edgerton, Washington (D. C.); Clerk of the Moot Court 1936- , Associate in Law 1936-43, Lecturer in Law 1943- , The George Washington University.

Subject: Moot Court

THE DEAN'S COUNCIL†

Charles Sager Collier

Saul Chesterfield Oppenheim

Hector Galloway Spaulding

Thomas Armitage Larremore

GENERAL INFORMATION

INTRODUCTORY

The George Washington University Law School, established in 1826, discontinued and reorganized in 1865, is the oldest law school in the District of Columbia. Its course of instruction is planned to fit its graduates for the practice of law in any of the states of the United States or in foreign countries, the law of which is based on the Anglo-American legal system. It is also designed to prepare students for public service as lawyers in the Federal Government or the governments of the states. In 1900 the School took part in the organization of the Association of American Law Schools and it has been a member of the Association since that time. The School is approved by the Council of Legal Education of the American Bar Association.

* On war leave 1944-45.

† The President of the University and the Dean of the Law School are ex officio members of the council.

ADJUSTMENTS TO THE WAR EMERGENCY

The war emergency has increased the demand for men and women with legal training. To enable students to secure a maximum of legal training in the time available, the Law School's plan of instruction has been modified. The work of the year is organized into three terms known as the fall term, winter term, and summer term. The work undertaken in any one term may be completed by the end of that term. The summer term is divided into two sessions of eight weeks each so that work undertaken in one session may be completed during that session.

Mid-term examinations will be given in full subjects, that is those given four hours a week during a term. Students who pass these examinations successfully will be given credit for the first half of such subjects in case they are compelled to leave the School without completing the term. Such students will be permitted to register for the second half of such subjects when they return to the School.

The Dean's Council will endeavor in every way consistent with proper educational standards to approve such special arrangements as may be necessary to meet individual problems arising from the demands made upon students by the war. Students who have such problems are requested to submit them to the Dean of the Law School for the full and immediate consideration of the Dean's Council.

THE LIBRARY

The Law Library of 23,000 volumes contains the official reports of the decisions of the courts of last resort of all the states prior to the National Reporter System and of fourteen states complete to date; the National Reporter System, complete; the reports of the United States Supreme Court and lower federal courts, and the reports of federal administrative agencies; Shepard's Citations for the units of the Reporter System; the English Reprint and English Law Reports; the United States Statutes; the United States Code, Annotated, and the Federal Code, Annotated; reasonably complete sets of statutes of all of the states; the English statutes; the principal English and American digests and encyclopedias; collections of special reports and annotated cases; and the leading textbooks, casebooks, and legal periodicals.

The Library is open from 9:00 A.M. to 10:00 P.M. each class day (Saturday, 9:00 A.M. to 1:00 P.M.), and from 2:00 to 6:00 P.M. on Sunday.

THE LAW REVIEW

The George Washington Law Review, published by the University, is edited by the Faculty and students of the Law School. It is devoted exclusively to state and federal public law. The location of the Univer-

sity in the National Capital, where the primary sources of federal public law may be observed in operation, affords an unexcelled opportunity for specialization in this field.

The *Review* is edited by a faculty editor-in-chief, a faculty board of associate editors, a board of departmental advisory editors, and a board of student editors. The student editors are chosen each year on the basis of scholarship.

RESEARCH IN PUBLIC LAW

Washington, the capital of the Nation, furnishes unsurpassed advantages for research in the fields of public law. In it are the offices of the major executive departments, the Congress, the Supreme Court of the United States, and four lower federal courts. In the executive departments and among the many independent establishments of the Federal Government there have been estimated to be between seventy-five and one hundred agencies, the activities of which involve the various branches of public law, particularly administrative law. The student of public law can study at first hand the work of these administrative agencies. He also has available as sources for investigation their records of administrative adjudications.

Research in public law will be conducted under the supervision of members of the faculty. The purpose of this research is to furnish means for training specialists in public law, either as government lawyers or as lawyers representing individuals or corporations in cases in which the Government is a party, and to assist in the analysis, clarification, formulation, and improvement of public law, substantive and procedural.

Candidates for the graduate degrees in the Law School and seniors who are candidates for the degree of Juris Doctor are eligible to pursue this work. Other students may be admitted with the special permission of the professor in charge.

THE STUDENT BAR ASSOCIATION

Every student in the Law School is required to be a member of the Student Bar Association. This is organized to enable the student to become better acquainted with problems of the profession, to develop better professional ideals, and to bring about closer contact with members of the profession engaged in active practice of the law.

The work of the Student Bar Association is carried on by various committees and by group and general meetings of a professional and social nature. From time to time lectures are given by outstanding authorities on legal and professional problems.

Each member of the Student Bar Association receives a subscription to *The George Washington Law Review*.

PRACTICE AND PRACTICE COURT

The curriculum is planned to include such training in the fundamentals of practice as is feasible in a law school. Classroom instruction is conducted in the theories of pleading and procedure, trial and appellate practice, and evidence. This instruction includes grounding in the principles of the new Federal Rules of Civil Procedure. In addition each senior student is required to participate in the work of the practice or Moot Court. This includes trying a specified number of cases, both as a senior counsel and junior counsel. For students who are planning to practice patent law, a special section of the court is devoted exclusively to the trial of patent cases.

ORDER OF THE COIF

The Order of the Coif, a national honor society with chapters in thirty-seven law schools, aims "to foster a spirit of careful study and to mark in a fitting manner those who have attained a high grade of scholarship". The George Washington University Chapter was established in 1926. Members are elected each year from the highest-ranking 20 per cent of the graduating class of the Law School.

ADMISSION

APPLICATION FOR ADMISSION

An applicant for admission must obtain from the Office of the Director of Admissions an application blank which he must fill out completely and return.

A recent photograph, with signature, of the applicant must be attached to the blank.

To insure prompt action, applications should be filed not later than July 1 for the fall term, January 1 for the winter term, and May 1 for the summer term.

The applicant must request the registrar of each higher institution previously attended to mail directly to the Office of the Director of Admissions the transcript of his record, *even though credits were not earned*, together with an honorable dismissal from the institution last attended. The student must be in good standing as to scholarship and conduct, and must be eligible to return to the previously attended institutions in the term for which he or she seeks admission to The George Washington University.

For the Degrees in the Professional Course

Bachelor of Laws.—Men and women will be admitted as candidates for this degree provided there have been filed in the Office of Admissions official transcripts of record showing the satisfactory completion of not less than two years of college work which is defined as one-half of

the four-year course of study acceptable for a bachelor's degree in an approved college or university. This requirement has been adopted for the period of the present national emergency.

Juris Doctor.—The degree of Bachelor of Arts or the equivalent from an approved college or university is required.

ADVANCED STANDING

Advanced standing toward the degree of Bachelor of Laws may be granted for work successfully completed in other law schools which are members of the Association of American Law Schools.

Applicants for admission with advanced standing must file certified transcripts of record showing high school, college, and law credits. The right is reserved to refuse such credit, in whole or in part, or to allow it conditionally or after examination, and credit given may be withdrawn for subsequent poor work. No student admitted with advanced standing will be recommended for the degree of Bachelor of Laws until he has completed in this School at least one full year of residence and passed successfully twenty-eight credit hours with the required average for the degree. No student will be admitted who has been in attendance at another law school and who is ineligible, because of poor scholarship, to return to that school.

Students planning to attend summer school sessions at other law schools and desiring to use credits obtained at such schools in their course at this Law School must first have the courses they wish to take approved by the Dean. In no event will credits be recognized in excess of those which might be obtained in a similar period in this School.

Advanced standing toward the degree of Juris Doctor for work in other law schools will not be granted.

For the Degrees in the Graduate Course

Master of Laws.—Applicants must show the satisfactory completion of not less than two years of college work in an approved college or university and must have received the degree of Bachelor of Laws, or an equivalent degree, from an approved law school.

Doctor of Juridical Science.—The following are required: (1) the degree of Juris Doctor from this Law School; or (2) the degree of Bachelor of Arts from an approved college, the degree of Bachelor of Laws or the equivalent, earned with high rank, from an approved law school, outstanding capacity for scholarly work in the field of law, and acceptance as a candidate by the Dean's Council of the Law School.

Unclassified Students

A person eligible for admission to regular standing but not a candidate for a degree may, at the discretion of the Dean, be admitted as an unclassified student.

REGISTRATION

Before attending classes each student must present himself in person for registration. No student will be registered in the Law School until proper credentials have been filed and approved (see "Admission", above).

Registration is for the term or session only.

A late-registration fee of \$5 will be charged each student who is permitted to register after the regular registration days.

Registration may be changed only with the permission of the Dean.

FEES AND FINANCIAL REGULATIONS

University fee, for each term or for any part thereof.....	\$8.00
For each session of the summer term or any part thereof.....	4.00
Tuition fee, for each credit hour.....	8.00
For the degree of Doctor of Juridical Science:	
For work leading to and including the final examinations.....	240.00
Student Bar Association fee, for each term, or any part thereof except the summer term.....	2.00
Graduation fee.....	20.00
Fee for special examinations, for each subject.....	5.00
Late-registration fee, charged each student who fails to register within the designated period.....	5.00
Service fee for late payment of tuition, see "Payment of Fees".....	1.00
Reinstatement fee, charged each student who is reinstated after being suspended for delinquency in fees.....	5.00
Fee for printing and filing summary of doctoral thesis.....	5.00

UNIVERSITY FEE

Payment of the University fee covers all of the expenses incident to registration and, in addition, secures the following University privileges: (1) the issuance of three certified transcripts of record, if and when desired; (2) the services of the Placement Office; (3) the use of University library facilities, except as otherwise designated; (4) gymnasium privileges; (5) admission to all athletic contests, unless otherwise specified; (6) subscription to the *University Hatchet*, the student newspaper; (7) admission to University debates; (8) medical attention and hospital services as described under "Health Administration", pages 23-24. These privileges, however, with the exception of the issuance of transcripts, terminate, and a student is no longer in residence, when he withdraws or is dropped from the University.

PAYMENT OF FEES

All fees are payable at the Office of the Cashier, 725 Twenty-first Street NW. No student is permitted to complete registration or to attend classes until all fees are paid. Fees for each term are due and payable in advance at the time of registration.

Subject to the approval of the Comptroller, a student may sign a con-

tract for term charges, except for the University fee and other fees payable in advance, permitting payments as follows:

Fall Term.—One third at the time of registration, plus the University fee and deposits; one third on November 3; one third on December 4.

Winter Term.—One third at the time of registration, plus the University fee and deposits; one third on March 5; one third on April 3.

A student who fails to meet payments when due but who pays his fees on or before the tenth day of the month in which payment is due is charged a service fee of \$1. A student who fails to meet payments by the tenth day of the month in which payment is due will be suspended and may not attend classes until he has been officially reinstated and has paid all accrued fees and a reinstatement fee of \$5. A suspended student may not be reinstated for the term after two weeks from the date of suspension. Applications for reinstatement are to be made to the Dean.

WITHDRAWALS AND REFUNDS

Application for withdrawal from the University or for change in class schedule must be made in person or in writing to the Dean. Notification to an instructor is not an acceptable notice.

In authorized withdrawals and changes in schedules, financial adjustments will be made as follows:

Fall Term.—Withdrawal dated on or before October 31, cancellation of the second and third payments; withdrawal dated on or before November 30, cancellation of the third payment. No refund or reduction will be allowed on a withdrawal dated subsequent to November 30.

Winter Term.—Withdrawal dated on or before February 28, cancellation of the second and third payments; withdrawal dated on or before March 31, cancellation of the third payment. No refund or reduction will be allowed on a withdrawal dated subsequent to March 31.

In no case will the University fee or any part of an initial payment of fees be refunded, and in no case will tuition be reduced or refunded because of nonattendance upon classes.

Payment applies only to the term for which a registration charge is incurred and in no case will this payment be credited to another term.

A student granted "war leave" during the term will be credited with tuition payments made prior to the granting of such leave, which credit will be applicable toward a subsequent registration.

Authorization to withdraw and certification for work done will not be given a student who has not a clear financial record.

SCHOLARSHIPS, PRIZES, LOAN FUNDS

Charles Worthington Dorsey Memorial Scholarship.—This scholarship, established as a memorial to Charles Worthington Dorsey, Bachelor of Laws '81, Master of Laws '82, is awarded upon the recommendation

of the Faculty of the Law School to a needy and promising graduate of Columbian College or other division of the University, with a Bachelor of Arts or other equivalent degree, who has maintained an average of B as an undergraduate student and who desires to pursue the study of law as a full-time student. The scholarship covers tuition for the course leading to the first degree from the Law School, Bachelor of Laws or Juris Doctor, provided that the holder maintains an average of B. The right is reserved to suspend the benefits of the scholarship for cause at any time. The scholarship is awarded ordinarily once every three years.

All other scholarships are administered by the University Committee on Student Loans and Scholarships. Application should be made to the Registrar of the University.

The following prizes are awarded annually in the Law School:

Ellsworth Prize.—The Ellsworth Prize of \$25, established by the late Mr. Fritz von Briesen, is awarded to the student doing the best work in the subject of Patent Law Practice. It was awarded in 1942-43 to David Edwards Varner.

John Bell Larner Prize.—This prize, established by the bequest of John Bell Larner, consists of a medal which is awarded annually to that member of the graduating class in the Law School who attains the highest average grade in the entire course for the degree of Bachelor of Laws. It was awarded in 1942-43 to Hilda Aronson Asia.

John Ordronaux Prizes.—These prizes were established in 1909 by the bequest of John Ordronaux. The amount of \$35 is awarded annually to the student in the Law School who has attained the highest average grade in the first-year, full-time, regular course; and \$35 to the student who has attained the highest average grade in the second-year, full-time, regular course. The former was awarded in 1942-43 to Gordon Lee Calvert and the latter to William Dock Kilgore, Jr.

Through the generosity of friends of the University a number of loan funds are available to students in the Law School. Among them is the Henry Strong-William A. Maury Loan Fund established by the Henry Strong Educational Foundation in memory of Henry Strong and William A. Maury. Application for loans should be made to the Comptroller of the University.

REGULATIONS

Students in the Law School are subject to, and are expected to familiarize themselves with, the general University regulations stated in the University Catalogue.

HOURS OF INSTRUCTION

Primarily for the accommodation of employed students, the regular course may be taken in classes held from 6:20 to 8:00 P.M.

ATTENDANCE

Regular attendance on classes is required and is necessary for successful work. A student who is deficient in class attendance in any subject may, by action of the Dean's Council, be barred from taking the examination in that subject.

RESIDENCE REQUIREMENTS

A year's attendance in the evening classes is counted as residence for three fourths of a year. A student admitted with advanced standing must complete at least one year of residence in this School and pass twenty-eight credit hours with the required average for the degree.

GRADES

At the end of each term each student is given a letter grade in each subject completed and a letter grade indicating the average for the term.

Grades are indicated by the letters *A*, excellent; *B*, good; *C*, satisfactory; *D*, poor—below standard for graduation; and *F*, failed.

The grades *A*, *B*, *C*, and *D*, mean that the work has been successfully completed and credit given for the subjects.

F, failed, means that no credit will be given. To obtain credit the student must repeat the subject; but a student who has obtained an average of *C* in the work of the academic year and received a grade of *F* in only one subject may take the next regular examination in that subject, and if on such reexamination he obtains a passing grade he will be given credit in the subject.

EXAMINATIONS

Written examinations are held in the middle of the fall and winter terms in subjects given four hours a week and at the end of each term in all subjects. Every student is required to take the regular examinations in the subjects pursued, unless excused by the Dean. A student who, with the consent of the Dean, does not take the examination in a subject with the class in which he is enrolled may take the next regular examination given in the subject.

No special examinations will be given; except that, upon written application to the Dean's Council, showing sufficient cause, a candidate for a degree at a convocation before the next regular examination, if he would be entitled to take a postponed examination, may, at the discretion of the Dean's Council, be given a special examination.

EXCLUSION AND PROBATION FOR POOR SCHOLARSHIP

A student who during an academic year fails in courses aggregating eight or more credit hours will be excluded. Such a student is not eligible to be registered in the Law School or to attend classes in the next academic year. He may, however, be admitted to the regular examinations

in that academic year in those subjects in which he has made a grade below passing, and if he receives a grade of passing in these subjects with an average sufficient to make his general average not less than *C*, he will be reinstated at the beginning of the academic year next succeeding the passing of these examinations.

A student not subject to exclusion under the foregoing rule who at the end of an academic year has failed to maintain a general average of at least *C*, will be on probation during the next academic year. A student on probation may at the discretion of the Dean be required to reduce his program of study. A student on probation will be excluded at the end of the probationary year unless he has made grades sufficient to give him a general average of at least *C*.

The general average of a student includes all the grades in all the subjects taken while he is in the Law School working for a particular degree. When a subject is repeated or a reexamination is taken, both the first grade and the subsequent grade or grades are counted in the general average.

In special cases in which it is clear that the student's failure does not indicate lack of ability to pursue the study of law, the student who has become subject to exclusion may be readmitted by vote of the Dean's Council of the Law School.

No student is put on probation or excluded because of the work of one term only, or as the result of a program of less than four hours a week during the academic year.

CLASSIFICATION OF STUDENTS

Students are divided into classes on the completion of credit hours as follows: first year, one through twenty-eight; second year, twenty-nine through fifty-six; third year, fifty-seven or more.

RIGHT TO DROP STUDENTS

The right is reserved by the University to drop any student from the University, or from any class or classes, whenever, in the interest of the student or the University, the University Administration deems it advisable to do so.

STUDENT LIFE

LIVING ACCOMMODATIONS

Applications for room reservations should be made well in advance. Forms for application, together with detailed information may be obtained from the Director of Personnel Guidance. The prices stated below are subject to change without notice.

Women Students.—Women students under twenty-one years of age

who carry twelve or more credit hours of academic work must have their residences approved by the Director of Personnel Guidance before their registrations can be completed.

The Hattie M. Strong Residence Hall: single rooms with breakfast and dinner are \$54 a month; double rooms with the same service are \$47 a month a person.

Staughton Residence Hall: single rooms are \$25 a month; double rooms are \$18 a month a person.

PLACEMENT OFFICE

The Placement Office is maintained to assist graduates and students in finding positions for which their college work has prepared them, and to cooperate with employers who wish to fill vacancies. Enrollment is open to alumni members and students of the University without charge for placement.

Student Employment

An employment service is operated to assist the self-supporting student in finding employment.

The prospective student who expects to earn any part of his expenses and who does not have a definite appointment to a position before coming to Washington should have the means of support for at least one term.

Many out-of-town students secure positions in the departments of the Government in Washington by taking the United States Civil Service examinations in their home states. The hours of employment permit them to pursue a college course in the late afternoon.

HEALTH ADMINISTRATION

The payment of the University fee entitles the student to health services hereinafter described. Through reports from the students and University officials, the University attempts to keep informed as to all cases of illness among its students. This service is primarily diagnostic in its intent. It also provides first aid in the event of an emergency.

Medical privileges include: (1) the physical examination of every student entering from secondary school; (2) three visits by the University physician or surgeon, office or residence (District of Columbia) in any one illness, exclusive of a specialist, surgical operation, laboratory, or X-ray examination; (3) hospitalization, including board, medicine, and nursing in the University Hospital for not more than two weeks during a school year—the necessity to be determined by the Director of Health Administration. The duration of hospitalization period (maximum, two weeks) is also to be determined by the Director of Health Administration.

This medical benefit does not apply to illness or disability incurred

previous to the University term or prior to payment of the University registration fee.

The student is allowed, if he so desires, to engage physicians and nurses of his own choice, but when he does so he will be responsible for the fees charged.

Rules: (1) The Director of Health Administration is empowered to limit or deny the medical benefits where, in his discretion, a student has, by his misconduct or breach of the rules of the University, made himself ineligible; (2) the Director of Health Administration has authority to determine the necessity and length of hospitalization; (3) a student who has severed his connection with the University is ineligible for medical benefits; (4) a student intending to train for an athletic team is required to pass a thorough examination at the beginning of each term; (5) the above regulations apply also during the summer term of the University.

The University is not responsible for injuries received in inter-collegiate or intra-mural games, or in any of the activities of the departments of physical education.

THE DEGREES

IN THE PROFESSIONAL COURSE

These degrees are Bachelor of Laws (LL.B.) and Juris Doctor (J.D.).

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF LAWS

To be recommended for this degree the student must have completed: a residence period of not less than three academic years on a full-time basis (four years on a part-time basis) in an approved law school; the last year to be in this School; and eighty credit hours with a general average of at least *C*, in courses described on pages 27-31, including the course in Moot Court.

Combined Degrees of Bachelor of Arts and Bachelor of Laws.—A candidate for the combined degrees of Bachelor of Arts and Bachelor of Laws must: (1) complete three years of satisfactory college work; (2) fulfill the residence requirement of at least thirty credit hours of Columbian College, the School of Government, or the School of Education; (3) obtain the approval of the Dean of the college concerned at the time of entering the Law School; (4) complete, with a grade of middle *C*, the work of the first year in the Law School. The degree of Bachelor of Arts will be conferred at the end of the first year in the Law School, provided the above conditions have been satisfied. The degree of Bachelor of Laws will be conferred upon the satisfactory completion of the law course. Professional work taken at another institution will not satisfy the major requirement for the combined degrees.

Combined Degrees of Bachelor of Science in Engineering and Bachelor of Laws.—For those students who desire to enter the branches of the legal profession in which a background in engineering is necessary a six-year curriculum is offered, leading to the combined degrees of Bachelor of Science in Engineering and Bachelor of Laws. A candidate for the combined degrees must conform to the residence and scholarship requirements of the School of Engineering throughout the period of preparation for the degree in engineering. His scholarship level for the junior and senior years must be acceptable to both the School of Engineering and the Law School. During the junior and senior years he must complete: (1) the required courses in engineering, (2) the 28 credit hours of courses required in the first year of the Law School, and (3) such electives as he needs to satisfy the 144 credit-hour requirement for the degree in engineering. Upon the satisfactory completion of the senior year, the degree of Bachelor of Science in Engineering will be conferred. The student will then continue his studies in the Law School; upon the satisfactory completion of which the degree of Bachelor of Laws will be conferred.

REQUIREMENTS FOR THE DEGREE OF JURIS DOCTOR

This degree is conferred as a recognition of the completion at the George Washington University Law School, with high rank, of the full professional course of not less than three full years (four years on a part-time basis) including experience in research and legal authorship.

To be recommended for this degree the student must have completed: (1) a residence period of not less than three academic years on a full-time basis (four years on a part-time basis) in the Law School; (2) eighty credit hours with a general average of at least *B*, in courses described on pages 27-31, including the course in Moot Court and either the course in Comparative Law or one of the graduate seminars; and (3) one year of acceptable service on the board of student editors of *The George Washington Law Review*, election to which is subject to regulations laid down by the Faculty.

HONORS

The degree of Bachelor of Laws or of Juris Doctor "with distinction" will be awarded the student who obtains a general average of *A* in the work for the degree.

IN THE GRADUATE COURSE

These degrees are Master of Laws (LL.M.) and Doctor of Juridical Science (S.J.D.)

REQUIREMENTS FOR THE DEGREE OF MASTER OF LAWS

To be recommended for this degree the student must have completed a residence period of not less than one academic year. He must have com-

pleted satisfactorily twenty credit hours of subjects in the graduate curriculum. In individual cases, third- or fourth-year subjects listed in the professional curriculum may be included in the program of study. All requirements for this degree must be completed in a period not exceeding two academic years.

REQUIREMENTS FOR THE DEGREE OF DOCTOR
OF JURIDICAL SCIENCE

To be recommended for this degree the student must have completed a residence period of not less than one academic year. He must have pursued a course of study and research designated by his consultative committee and approved by the Dean's Council of the Law School. At the conclusion of his first year of residence or at such other time as the consultative committee may set, the candidate must pass an oral examination in those fields of study selected by the consultative committee. This examination shall be conducted by the consultative committee and such other members of the faculty as may be assigned by the Dean.

Not later than the date specified in the University calendar the candidate must submit to the Dean one typewritten original and two legible and complete carbon copies of his thesis in its final form and also a typewritten summary of the thesis consisting of not more than 2,500 words. To be acceptable the thesis must, in the opinion of the examining committee, constitute a substantial contribution to the field of law concerned and be suitable for publication. Additional information will be supplied by the Dean.

The summaries of accepted theses will be printed in a volume forming a number of the University BULLETIN. The successful candidate for the doctorate is required, before receiving his degree, to pay a fee to cover the expense of printing the summary of his thesis.

COURSES OF INSTRUCTION

The courses of instruction listed below are subject to change. The University reserves the right to withdraw any course announced.

The number which precedes the name of a course indicates the term in which that course is offered. An odd number indicates that the course is offered in the fall term; an even number, that it is offered in the winter term; and a double number (e.g., 241-42), that it begins in the fall and continues in the winter term.

First-year courses are numbered from 101 to 200; second-year courses, from 201 to 300; third year courses, from 301 to 400; and graduate courses, from 401 to 500.

The number of hours of credit given for the satisfactory completion of a course is indicated in parentheses after the name of the course. Thus, a year course giving two hours of credit each term is marked (2-2), and a term course giving two hours of credit is marked (2).

101 *Agency* (4)

Problems of agency in the conduct of business. Mechem, *Cases on Agency*.

Summer term 1944.

Breckenridge

105 *Civil Procedure* (4)

Function and composition of pleadings, including their relation to proof. Emphasis is upon reforms, as exemplified by modern code provisions and the Federal Rules of Civil Procedure. Clark, *Cases on Pleading and Procedure*, 2d ed. Mon. and Thurs., 6:20 to 8:00 P.M.

Larremore

111 *Contracts* (4)

Promissory obligation: offer and acceptance, consideration, statute of frauds, formal instruments, rights of third parties, assignments, and joint obligations. Williston, *Cases on Contracts*, 4th ed. Section A: Tues. and Fri., 10:00 to 11:50 A.M.; section B: Mon. and Thurs., 6:20 to 8:00 P.M.

Spaulding

Summer term 1944.

123-24 *Criminal Law and Procedure* (2-2)

Elements of criminal liability; specific crimes; combinations of persons in crime; criminal procedure. Harbo, *Cases and Materials*. Wed., 6:20 to 8:00 P.M.

Kirkland

129 *Judicial Process* (4)

(Not offered in 1944-45.)

134 *Property I* (4)

Concepts of property, possession and ownership, and of legal relations with respect to chattels and documentary intangibles created by gift, sale, pledge, lien, bailment, etc. Fraser, *Cases on Property*, Vol. II; Fryer, *Readings on Personal Property*, 3d ed. Section A: Tues. and

Thurs., 10:00 to 11:50 A.M.; section B: Tues. and Fri., 6:20 to 8:00 P.M.

- 138 *Property II* (4) Spaulding
Real property; introduction; estates, seisin, landlord and tenant; future interests at common law and under the statutes of uses and wills; merger; elementary study of remoteness and powers; adverse possession; prescription; natural rights. Kirkwood, *Cases on Property*. Section A: Mon. and Wed., 10:00 to 11:50 A.M.; section B: Mon. and Thurs., 6:20 to 8:00 P.M.
- 141 *Torts* (2) Van Vleck
Civil liability for harms to legally protected interests. Thurston and Seavey, *Cases on Torts*. Section A: Mon. and Thurs., 10:00 to 11:50 A.M.; section B: Tues. and Fri., 6:20 to 8:00 P.M.
- 213 *Constitutional Law I* (4) Collier
Historical introduction; judicial approach and methods; doctrine of the separation of powers; powers of the National Government; the federal system; relation of the state courts and the federal courts. Dodd, *Cases on Constitutional Law*, 3d ed. Section A: Tues. and Thurs., 10:00 to 11:50 A.M.; section B: Mon. and Thurs., 6:20 to 8:00 P.M.
- 231 *Equity* (4) Spaulding
Specific performance of contracts; equitable conversion; statute of frauds; mutuality; conditions; defenses; equitable servitudes; powers of an equity court; effect of decrees. Cook, *Cases on Equity*, 1 volume 3d ed. Tues. and Fri., 6:20 to 8:00 P.M.
- 241 *Property III* (2)
Conveyances, rents, easements, profits, licenses, covenants running with the land, and recording. (Not offered in 1944-45.)
- 242 *Evidence* (4) Larremore
Functions of court and jury; witnesses; hearsay, opinion, and circumstantial evidence; proof of authenticity; and contents of writings. Morgan and Maguire, *Cases on Evidence*, 2d ed. Mon. and Thurs., 6:20 to 8:00 P.M.
- 246 *Negotiable Instruments* (4) Oppenheim
Bills of exchange, promissory notes and checks under the Negotiable Instruments Law. Britton, *Cases on Negotiable Instruments*, 3d ed. Summer term 1944.
- 251 *Quasi Contracts* (2)
Legal remedies for restitution of benefits obtained or conferred by performance of contract, misrepresentation, mistake and coercion. Thurston, *Cases on Restitution*. (Not offered in 1944-45.)
- 254 *Wills* (2)
Formation and revocation of wills; testate and intestate succession. (Not offered in 1944-45.)
- 262 *Security Transactions* (4) Arnold
Security interests in real and personal property, their creation, transfer.

enforcement, and extinguishment, together with security problems in the fields of suretyship and bankruptcy.

Summer term 1944.

- 304 *Administrative Law I* (4) Collier
Legislative setting for administrative bodies; judicial control of administrative action, public utilities, taxation, alien laws. Federal Trade Commission, workmen's compensation, etc. Frankfurter and Davison, *Cases on Administrative Law*. Section A: Tues. and Thurs., 10:00 to 11:50 A.M.; section B: Mon. and Thurs., 6:20 to 8:00 P.M.
- 312 *Business Associations I* (4) Spaulding
Forms of business associations; legal requirements as to contributions of capital; powers and rights of corporations, corporate officials, and shareholders. Frey, *Cases on Business Associations*. Section A: Tues. and Fri., 10:00 to 11:50 A.M.; section B: Tues. and Fri., 6:20 to 8:00 P.M.
- 316 *Conflict of Laws* (4) Van Vleck
Study of cases involving foreign elements; principles of jurisdiction and limitations upon its exercise; procedure, torts, workmen's compensation, contracts, property, family law, administration of estates, business associations. Cheatham, Dowling, Goodrich, and Griswold, *Cases on Conflict of Laws*, 2d ed. Section A: Mon. and Thurs., 10:00 to 11:50 A.M.; section B: Tues. and Fri., 6:20 to 8:00 P.M.
Summer term 1944.
- 321-22 *Current Decisions* (2-2) Oppenheim
Required of, and limited to, members of the student staff of the *Law Review*.
- 325 *Federal Jurisdiction* (2) Collier
Constitutional origins and powers of federal courts; sources of law applicable to them; business and extent of jurisdiction of federal courts. Case book to be announced. Wed., 6:20 to 8:00 P.M.
- 331 *Labor Law* (2) Larremore
Legality of collective labor action, of ends sought and means used; strike, picketing, boycott, trade agreements; labor injunctions; scope of federal jurisdiction. Landis, *Cases on Labor Law*. Tues., 6:20 to 8:00 P.M.
- 333 *Legislation* (2)
A study of the problems and principles of legislation. (Not offered in 1944-45.)
- 335-36 *Moot Court* (2-2) Gordon, Craighill, Morris, Edgerton
Open only to students who have completed fifty credit hours. Pre-requisite: Law 105 and 242. Wed., 6:20 to 8:00 P.M.
- 345-46 *Patent Law* (2-2) Sutton
Substantive patent law; patentability; revision, use, and enforcement of patents; Patent Office practice: Rules of Practice; appeal and interference procedure. Mon., 6:20 to 8:00 P.M.

- 349 *Patent Moot Court* (4) Coe
This course may be elected instead of Law 335-36 to satisfy the Moot Court requirement. Both subjects may not be counted toward a degree. Wed., 6:20 to 8:00 P.M.
- 351 *Public Utilities* (2) Collier
Limits of regulation of businesses affected with public interest; ascertainment of value of property used for the public service and the fixing of adequate rates of return.
Summer term 1944.
- 353 *Domestic Relations* (2) Larremore
Marriage, annulment, and divorce; rights of husband and wife; rights of parent and child; infants; conflict of laws involving problems of marriage evasion and migratory divorce. Madden and Compton. Cases on Domestic Relations. Wed., 6:20 to 8:00 P.M.
- 358 *Sales* (4) Oppenheim
Transfer of property rights to chattels in various types of sales; documents of title and financing; rights and remedies of buyer and seller as to price, security, warranties, and inspection; third parties; effect of fraud. Williston and McCurdy, Cases on Sales, 1932 ed. Tues. and Fri., 6:20 to 8:00 P.M.
- 371-72 *Taxation* (2-2) Collier
Emphasis on the federal estate tax and the federal income tax. Attention given state inheritance and income taxes. Problem of jurisdiction to tax, construction of tax statutes, methods of judicial review of administrative actions in the tax field, modern excise taxes on business concerns. Magill and Maguire, Cases on Taxation, 1941 ed. Fri., 6:20 to 8:00 P.M.
- 377 *Trade Regulation I* (4) Oppenheim
Unfair trade practices, combination and monopoly at common law and under various statutes; trade-marks; business torts; Sherman Anti-trust Act; Federal Trade Commission and Clayton Acts; marketing; price and patent practices; Fair Trade Acts; mergers; trade associations; remedies. Oppenheim, Cases on Trade Regulation. Section A: Mon. and Wed., 10:00 to 11:50 A.M.; section B: Tues. and Fri., 6:20 to 8:00 P.M.
- 382 *Trusts* (4)
Nature, creation, elements, administration, termination, modification of trusts; charitable, resulting, construction trusts; liabilities of and to third persons; transfer of beneficiary's interest. (Not offered in 1944-45.)
- 383 *War Law: Military Law* (1)
(Not offered in 1944-45.)
- 387 *War Law: War Contracts* (1)
(Not offered in 1944-45.)
- 404 *Administrative Law II* (4)
Research seminar course in special problems, including the study of specific administrative agencies, federal or state. (Not offered in 1944-45.)

- 405 *Admiralty* (2) Alden
Federal and state jurisdiction: jurisdiction over waters, craft, contracts, torts, crimes, in equitable matters, etc.; laws applicable to maritime workers and maritime liens. Sayre, Cases on the Law of Admiralty. Mon., 6:20 to 8:00 P.M.
- 411 *Business Associations II* (4)
Seminar: study of the historical background and functioning of the statutes involved in the work of the Securities and Exchange Commission. (Not offered in 1944-45.)
- 416 *Comparative Law* (2) Murdock
Historical and comparative study of some of the institutions and principles of the civil law (law of South and Central America and most of the Continent of Europe) compared with those of the common law; the influence of the former upon the latter. Text to be announced. Mon., 6:20 to 8:00 P.M.
- 421 *Constitutional Law II* (4)
Research seminar in contemporary problems in constitutional law; special emphasis on interstate-commerce cases and due process of law. (Not offered in 1944-45.)
- 426-27 *Municipal and Government Corporations* (2-2) Ellis
Municipal corporations: organization, powers, functions, and legal relations of local governmental units. Federal corporate agencies: organization, powers, functions, and legal relations of functional governmental units separately incorporated. Tooke and McIntire, Cases on Municipal Corporations. Thurs., 6:20 to 8:00 P.M.
- 431 *International Law* (2) Murdock
Customary and treaty rights, and duties of states; diplomatic and consular agents; treaty interpretation; nationality laws; international courts; claims procedure; war; neutrality. Hudson, Cases on International Law, 2d ed. Mon., 6:20 to 8:00 P.M.
- 434 *Interstate Commerce Commission Law and Procedure* (2)
Interstate Commerce Act; the Interstate Commerce Commission; practice and procedure before the Commission. (Not offered in 1944-45.)
- 436 *Jurisprudence* (2) Collier
History of jurisprudence; schools of jurists, particularly the nineteenth century schools; sociological jurisprudence; theories of justice; the nature of law; law and morals; law and the state; the scope and subject matter of law; sources and forms of law; the traditional element; analysis of general legal conceptions. Wed., 6:20 to 8:00 P.M.
- 438 *Labor Relations Regulation* (2)
Law of relations between workers and management under the National Labor Relations Act. (Not offered in 1944-45.)
- 452 *Trade Regulation II* (4)
A research seminar course in specific problems of trade regulation. (Not offered in 1944-45.)

DEGREES CONFERRED

1943-44

BACHELOR OF LAWS

JUNE 2, 1943

Baker, Robert Merriett A.B. 1939, The George Washington University	Colo.	Hersch, Mary A.B. 1942, Hunter College	N.Y.
Baldwin, George Hull, Jr. B.Eng. 1936, Yale University	Va.	Hegmann, Ronald Alma A.B. 1944, University of Utah	Utah
Becker, David Zander B.S. in Chem.Eng. 1939, University of Rochester	D.C.	Johnson, Robert Monroe A.B. 1939, University of North Dakota	N.D.
Benner, James Harrison A.B. 1940, University of Maryland	Md.	Jones, Joe Allen B.S. 1939, The George Washington University	D.C.
Bolan, Naomi Bessye A.B. 1948, The George Washington University	D.C.	Kendrick, John Alexander A.B. 1942, The George Washington University	D.C.
Caldwell, Samuel Craighead Cristate, Alfred III A.B. 1939, The George Washington University	N.C.	Kletchka, Marguerite Rose N.C.	D.C.
Clark, William Carl B.S. 1936, Cumberland University	Md.	Norris, Wiley A.B. 1935, Atlantic Christian College	D.C.
Cone, Walton Owen Daugherty, John Thomas Cotton II A.B. 1940, The George Washington University	Tenn.	Poole, John Courtney Ramsay, Max E. Roderick, Walterene Price A.B. 1937, Mississippi State College for Women	Tex. Miss.
Depp, Lewis Fisher Ph.B. 1941, Holy Cross College	Tex.	AM, 1939, University of Southern California	Conn.
Dunwick, William Elliott B.Chem. 1939, Cornell University	Mass.	Rusch, Ruth, Constance A.B. 1942, Connecticut College	Wis.
Eller, Terry, Fred A.B. 1936, University of Illinois	Ill.	Swords, Robert Joseph Ed.B. 1936, Milwaukee State Teachers College	Conn.
M.B.A. 1931, New York University	N.Y.	Willard, John Blevens B.S. in M.E. 1937, Worcester Polytechnic Institute	Va.
Gilmer, Frank Roseben B.S. in Eng. 1934, C.E. 1934, College of the City of New York	N.C.	Wood, Walter Preston B.S. 1936, University of Alabama M.S. 1937, University of Washington	
Head, James Felton			

NOVEMBER 17, 1943

Pitchford, Harry, Jr. A.B. 1940, University of Oklahoma	Okla.	Udell, John Nicholas	Ariz.
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FEBRUARY 22, 1944

Blair, William B.S. 1939, Brooklyn College	N.Y.	Simmons, Robert Williams B.S. in Met.Eng. 1936, University of Missouri	Va.
Brann, William Vincent, Jr. B.B.A. 1941, University of Texas	Tex.	Skubitz, Joseph, Jr. B.S. 1939, M.W. 1934, Kansas State Teachers College	Kans.
Hemba, Alton Woodly A.B. 1941, The George Washington University	Miss.	Smith, Edwin Stratford Wickie, Harace White A.B. 1938, University of Wisconsin	Utah Wis.
McCalland, Eugene John A.B. 1939, University of Washington	Wash.		
Sabata, Fernando de Medeiros Diploma 1943, Ecole Libre des Sciences Belitiques	Brazil		

MASTER OF LAWS

JUNE 2, 1943

Barton, Olive Neville Ph.B. 1914, University of Chicago J.D. 1921, A.B. in L.S. 1942, University of Michigan	Mich.	Tomascik, Joseph George A.B. 1935, Cornell University LL.B. 1941, Dickinson School of Law	Pa.
Schwartzbach, Eleanor A.B. 1932, Hunter College J.D. 1941, The George Washington University	Pa.		

NOVEMBER 17, 1943

Cruz, Erasmo Ramirez LL.B. 1937, University of the Phil- ippines	P.I.
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FEBRUARY 22, 1944

Concepcion-de-Gracia, Gilberto B.B.A., LL.B. 1932, University of Puerto Rico	P.R.	Richards, Channing Leathers M.E. 1934, Cornell University LL.B. 1941, The George Washington University	D.C.
Faris, Harry Haskett B.S. 1929, Northwestern University M.B.A. 1931, Harvard University LL.B. 1936, University of Illinois	Ill.	Rylee, Willie Yeates B.S. 1939, American University J.D. 1943, The George Washington University	Miss.

JURIS DOCTOR

JUNE 2, 1943

Barber, Oren Gilbert B.S. 1929, Northwestern University	Va.	Turney, Dillon S. B.S. in E.E. 1937, Iowa State College	D.C.
Grabber, John Leroy A.B. 1939, Kalamazoo College	Mich.	Varner, David Edwards B.S. 1916, Massachusetts Institute of Technology	D.C.
Hudson, Robert Wade A.B. 1939, University of Tulsa	Okla.		
Rylee, Willie Yeates (With distinction) B.S. 1939, American University	Miss.		

NOVEMBER 17, 1943

Bell, Mary-Katherine Morris A.B. 1934, Stanford University	Nev.	Murphy, Jay Wesley A.B. 1933, University of Illinois	Ill.
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FEBRUARY 22, 1944

Denny, Ethel Mary A.B. 1941, The George Washington University	Pa.	Patterson, Donald MacKelvy B.S. in C.E. 1930, Bucknell University	NY D.C.
Hooper, Olcott Lorin B.S. in C.E. 1923, Massachusetts In- stitute of Technology	Md.	Voit, Richard Louis (With distinction) B.S. in E.E. 1919, University of Wisconsin	

STUDENTS REGISTERED IN THE LAW SCHOOL

1943-44

A

Abbott, Robert Sutton
A.B. 1944, Kent State University
A'Hearn, Thomas Francis
Albert, Carl Bert
A.B. 1941, University of Oklahoma
Alexander, Andrew William
Anderson, Howard Jeremy
A.B. 1946, University of Utah
L.L.B. 1940, The George Washington
University
Arnold, Celia
A.B. 1920, The George Washington
University
Ashby, Robert Samuel
A.B. 1938, Indiana University
L.L.B. 1941, Harvard University
Atkinson, Eva
B.S. 1940, New York State College
for Teachers
Atlas, Martin
A.B. 1944, New York University
A.M. 1945, Columbia University
Aultman, Philip
L.L.B. 1940, Ohio State University
Avery, Myron Haliburton
L.L.B. 1923, Harvard University

B

Bacon, John Clifford
Baker, Joseph Harold
L.L.B. 1930, University of Arizona
Bartmo, Frank Antonio
A.B. 1941, Clark University
Baskin, Ruth Esther
A.B. 1943, University of Pennsylvania
Beard, William Lewis
A.B. 1940, Knox College
Berbera, Leon
Berlewitz, Edwin
A.B. 1928, Columbia University
Ber, William
B.S. 1939, Brooklyn College
Binett, Stanley Edward
B.S. in C.E. 1920, L.L.B. 1937, Uni-
versity of Wisconsin
Blackmon, Joel D.
Boice, Harold Arthur
L.L.B. 1940, John B. Stetson Uni-
versity
Bullard, Isabelle Mary
B.S. 1943, West Tennessee State
Teachers College
Boman, Howard Francis
A.B. 1948, University of Illinois
Bomar, Willie Melmoth
B.S. A.M. 1926, Ph.D. 1931, Colum-
bia University
Bowell, William Oliver, Jr.
A.B. 1943, Hobart College

Brennan, John Wright
A.B. 1943, Catholic University of
America
Briscoe, Maye Howell
A.B. 1927, University of Kentucky
Britt, James Robert
B.S. 1919, Wake Forest College
Brooks, Nettie Margaret
B.S. 1926, Mary Washington College
A.B. in L.S. 1940, The George
Washington University
Brown, Hermine Kapp
A.B. 1914, Wellesley College
Brown, Melvin Mammel
A.B. 1911, University of Missouri
Brown, William Vincent, Jr.
B.B.A. 1941, University of Texas
Brownback, Anna Drue Harris
A.B. 1942, University of Alabama
Browning, John Barnett
B.S. 1943, University of Alabama
Browning, Joseph Willmont, Jr.
A.B. 1939, University of Alabama
Brunker, Vernon Walter
B.S. in Eds. 1916, University of
South Dakota
Bullock, Charles Lovell
Borden, William Harold
A.B. 1928, University of Oklahoma
Bushart, June
A.B. 1940, Murray State Teachers
College
Buttles, Bruce
A.B. 1930, University of California
M.S. in Journ. 1936, Columbia Uni-
versity

C

Carrus, Edna Marie
B.S. 1940, Trenton State Teachers
College
Callahan, Edward Joseph
A.B. 1937, The George Washington
University
Calvert, Gordon Lee
A.B. 1943, The George Washington
University
Casteel, James Alden
Chalmers, Philip Owen
B.S. 1923, Harvard University
Champlin, Ellis Earl
A.B. 1942, University of Nebraska
Christensen, Cullen Yates
Clark, Margaret Ida
Clifford, Jean Elizabeth
A.B. 1941, Smith College
Close, Sheila Margaret
A.B. 1940, Albertus Magnus College
Coleman, James Smoot
Comee, Lowell Maurice
B.S. in E.E. 1940, Purdue University

Concepcion-de-Gracia, Gilberto B.B.A. 1932, LL.B. 1932, University of Puerto Rico	P.R.	Espedal, Birger Rolf A.B. 1941, University of Washington	Wash.
Conkey, Ralph Hill A.B. 1943, The George Washington University	D.C.	F	Ill.
Conklin, Marjorie David A.B. 1942, University of California	Calif.	Faria, Harry Haskett B.S.L. 1929, Northwestern University M.B.A. 1931, Harvard University LL.B. 1936, University of Illinois	D.C.
Cook, Dorothy Sweet A.B. 1931, University of Wisconsin	Wis.	Fegan, Margaret Lorraine Coyle B.S. 1940, University of Maryland	N.Y.
Cottrill, Harold Kenner B.S. in C.E. 1926, Carnegie Institute of Technology	Pa.	Finch, Edward Ridley A.B. 1941, Princeton University	D.C.
Cox, Martin Edward Cox, Mary Elizabeth A.B. 1943, Bryn Mawr College	N.J. N.Y.	Fletcher, Lloyd, Jr. B.B.A. 1936, University of Texas J.D. 1939, The George Washington University	Mass.
Crump, Nannie-Mayes A.B. 1918, Vassar College	D.C.	Flint, George Marsh, Jr. A.B. 1940, Harvard University	N.Y.
Cruz, Erasmo Ramirez LL.B. 1937, University of the Philippines	P.I.	Flynn, Eleanor C. A.B. 1944, College of New Rochelle	Neb.
Crystal, Daniel A.B. 1915, New Jersey State Teachers College	N.J.	Ford, Forrest Adams B.S. 1931, University of Minnesota	Mich.
Cunningham, Harry Earl B.S. 1926, California Institute of Technology	Calif.	Forrester, Robert Morris B.S. 1941, Antioch College	Ill.
Curtis, Floyd John	Calif.	Frank, Jacob Louis French, Baird Miller B.S. in C.E. 1910, University of New Mexico	Ill.
D		Frost, George Edward B.S. in E.E. 1940, Illinois Institute of Technology	
Darling, Joseph Warren B.S. 1931, Harvard University M.B.A. 1934, University of Pennsylvania	Fla.	G	Wyo.
Day, Charles Herbert A.B. 1918, Western Reserve University	D.C.	Gallivan, Frank Murray A.B. 1942, University of Wyoming	Pa.
Deitch, Morris Mal LL.B. 1919, Brooklyn Law School	D.C.	Garrett, Marie Gertrude B.S. 1935, New York University	D.C.
Denny, Ethel Mary A.B. 1911, The George Washington University	Pa.	Gass, Edmund Cody A.B. 1927, Carson-Newman College A.M. 1931, University of Tennessee	Va.
Derr, George Lewis J.D. 1941, The George Washington University	Pa.	Geiger, John H. A.B. 1938, The George Washington University	Tenn.
Dervan, John Murray B.S. in B.A. 1936, Boston University	Mass.	Gillespie, Mary Abbie B.S. 1920, A.M. 1933, George Peabody College for Teachers	N.Y.
Dik, Elsa Lilly Davine, William Robinson A.B. 1937, Pomona College A.M. 1930, University of Cincinnati	N.Y. Va.	Glickman, Gladys A.B. 1930, Brooklyn College	D.C.
Dodson, Boltwood Edmund Graduate 1923, United States Naval Academy	Va.	Goding, Maurice Wilfred A.B. 1911, Yankton College	Ark.
Doherty, Madora Jane Hicks A.B. 1941, University of Washington	Wash.	Goodman, Elizabeth Josephine A.B. 1938, Henderson State Teachers College	Mich. D.C.
Donaldson, Charles Russell A.B. 1941, University of Idaho	Idaho	Grady, Stafford Robert Graham, Robert L., Jr. A.B. 1940, University of North Carolina	Ohio
E		LL.B. 1941, Harvard University	
Earp, Thomas Spencer A.B. 1910, Elon College	N.C.	Grundstein, Nathan David A.B. 1915, M.S. 1936, Ohio State University	Ill.
East, Catherine Shipe A.B. 1941, Marshall College	Va.	Gubbins, Clara Lewie A.B. 1940, Knox College	Pa.
Ehlers, Joseph Henry B.S. in C.E. 1914, M.S. 1916, Trinity College	D.C.	Guiney, John Edward, Jr.	
Eisenberg, William Victor A.B. 1934, Brooklyn College A.M. 1942, The George Washington University	N.Y.	H	D.C.
Elvove, Faiga Rose A.B. 1942, The George Washington University	D.C.	Haley, Bernice Cooper B.S. in Home Econ. 1910, Michigan State College	Va.
		Haley, John Tom, Jr. A.B. 1941, Arkansas Agricultural and Mechanical College	

Haley, Martha Ernestine A.B. 1934, Emory and Henry College	Md.	Howard, Robert Thomas A.B. 1943, The George Washington University	D.C.
Hall, Hazel Marie	Okla.	Hunter, Burnis Corinne	Calif.
Hall, Jack Robert	Mont.	Hunter, Frank Rhodes	D.C.
A.B. 1940, University of Nebraska		Husson, Amerst Edward	N.H.
Hall, Sheldon Franklin	Va.	B.S. in M.E. 1930, Massachusetts Institute of Technology	
B.S. in B.A. 1936, Virginia Polytechnic Institute			
Hall, William Darlington	W.Va.	I	
B.S. in E.E. 1934, M.S. in E.E. 1935, E.E. 1940, West Virginia University		Ibanez, Anna Bodony de A.B. 1935, The George Washington University	D.C.
Hamlin, Edmund Tarr	Wis.	Interdonato, Paul Frank	D.C.
Ph.D. 1926, University of Wisconsin		Irish, Robert Godwin	Va.
Harness, Charles Leonard	Va.	B.S. in A.E. 1940, Cornell University	N.Y.
B.S. 1943, The George Washington University		Izeman, Alice Stanley	
Harness, Nell White	Tex.	A.B. 1943, Bryn Mawr College	
A.B. 1937, Texas Christian University		J	
Harrigan, Frederick John	N.H.	Jacobi, Wilma Jane	D.C.
A.B. 1942, Harvard University		A.B. 1941, Duke University	
Harrington, Dayton M.	Iowa	K	
B.S. in Com. 1919, State University of Iowa		Karsted, Jessie Walton	D.C.
Harris, Laona Kay	Ind.	Katz, Joseph P.	N.Y.
A.B. 1941, University of Cincinnati		B.B.A. 1939, College of the City of New York	
B.S. 1942, Columbia University	Ga.	Kaufman, Lynne Anderson	Nebr.
Harrison, Harold William		A.B. 1940, Nebraska Wesleyan University	
B.E.E. 1943, Georgia School of Technology	D.C.	Keplinger, Bernice Louise	Ohio
Harrison, Lewis Irving		Kerley, Martha Louise	D.C.
A.B. 1921, The George Washington University		Kilgore, William Dock, Jr.	Va.
LL.B. 1924, Brooklyn Law School	D.C.	A.B. 1941, Emory and Henry College	
Hartung, Elizabeth		Kimpel, Ernest Blake, Jr.	Ark.
A.B. 1937, The George Washington University	D.C.	A.B. 1941, Arkansas Agricultural and Mechanical College	
Hatfield, Norma Sherrod		King, Fred Wesley	Calif.
A.B. 1940, The George Washington University	N.Y.	Kipp, Mary Elizabeth	Minn.
Hawkins, Martha Eleanor	Nebr.	A.B. 1941, Hamline University	
Hayward, Charles Webster	Md.	Kleiner, Richard Isaac	N.Y.
Hebbard, Russell Eugene		B.M.E. 1942, New York University	Nebr.
A.B. 1933, University of Maryland	Pa.	Kloth, Gilbert Frank	
Hebel, William Gordon		LL.B. 1940, A.B. 1943, The George Washington University	Kans.
B.S. 1932, Dickinson College	Miss.	Knight, Albred Bishop	
Hemba, Alton		A.B. 1941, Washburn College	Fla.
A.B. 1941, The George Washington University	S.C.	Knight, Robert Whitney	Ohio
Henry, Rhea Preston		Krehbiel, Mary Lou	
A.B. 1937, University of South Carolina		L	
Herahey, Russell Martin Luther	Md.	Ladner, John	Md.
B.S. 1938, New York University	D.C.	LL.B. 1921, University of Chicago	
Hester, James Gordon		Lawrence, William Harvey	W.Va.
A.B. 1935, Southwest Texas State Teachers College	D.C.	A.B. 1941, Marietta College	Ill.
Hibben, Robert Radford		Lawson, Marvin R.	D.C.
A.B. 1943, Dartmouth College	D.C.	Layne, Aaron Alvis, Jr.	
Hines, Lenore	N.J.	A.B. 1943, The George Washington University	N.Y.
Hirsch, Chester Leo		Leskowitz, David Irving	
A.B. 1941, Rutgers University	Va.	B.S.S. 1939, College of the City of New York	D.C.
A.M. 1942, Columbia University	Ill.	Leonard, Robert Sterling	
Hiett, Keith Keller		A.B. 1930, The George Washington University	
Hickel, Robert	D.C.	A.M. 1931, Harvard University	N.C.
B.S. in E.E. 1943, University of Illinois	Md.	Lessem, Charlotte	
Hoffmann, Olga H.		A.B. 1936, Flora MacDonald College	N.Y.
Hooper, Olcott Lorin	N.Y.	Lieberman, Simon Morris	N.Y.
B.S. in C.E. 1923, Massachusetts Institute of Technology		Liff, Charles Philip	Ohio
Horowitz, Morris J.		Lilly, Merton Brainard	
B.S. 1937, College of the City of New York		A.B. 1939, Oberlin College	

Lindel, Russell M. A.B. 1938, University of Washington	Wash.	Minthorn, Samuel Peter	D.C.
Lippitt, Henry F. II B.S. 1936, Massachusetts Institute of Technology	Calif.	Mitchell, Lawrence E. A.B. 1938, Nebraska State Teachers College	Nebr.
LL.B. 1943, Harvard University		Moore, George Carlton, Jr. A.B. 1941, University of Maryland	Md.
Lizardo, Jose Desierto A.B. 1938, San Francisco State Teachers College	P.I.	Morales, Alfredo T. Ph.B. 1936, University of the Phil- ippines	P.I.
Lockhart, Elizabeth L. Berkeley A.B. 1927, College of William and Mary	D.C.	A.M. 1939, University of Michigan	D.C.
Lyman, Joseph Jacob A.B. 1935, Brown University	D.C.	Morin, Richard Wedge B.S. 1924, Dartmouth College	
M		LL.B. 1938, Harvard University	Wash.
		Mulholland, Eugene John A.B. 1940, University of Washington	Md.
MacCabe, William James	Calif.	Mullinix, William Day A.B. 1926, Washington and Lee Uni- versity	
Mack, Muriel Winifred	Calif.	A.M. 1933, University of Chicago	Va.
Major, Ruth Fales	Pa.	Munroe, Willard Lowe B.S. in E.E. 1927, Massachusetts Institute of Technology	Ill.
Mailyck, Eugene Theodore B.S. in E.E. 1941, Drexel Institute of Technology	D.C.	Murphy, Jay Wesley A.B. 1911, University of Illinois	Md.
Mansbridge, Stanley Edward James	England	Murphy, Marguerite Norris A.B. 1917, The George Washington University	
Martin, John Gaillard	D.C.	N	
Martin, Raymond John B.B.A. 1937, LL.B. 1940, University of Texas	Tex.	N.C.	
Masten, Floyd Edward B.S. in Bus. 1928, Syracuse University	N.Y.	Nathan, Sarah Jeannette A.B. 1941, University of North Carolina	
Matthews, Thomas B.S. in E.E. 1919, University of Colorado	D.C.	Newell, Robert Melvin A.B. 1941, Stanford University	
M.S. 1921, Cornell University		Newman, Philip Charles A.B. 1928, A.M. 1940, Ph.D. 1943, Columbia University	
Maylott, Marcia Van Ness A.B. 1932, Smith College	Fla.	Nickell, George Thomas A.B. 1930, LL.B. 1930, University of Washington	
LL.B. 1940, New York University		Nix, James Charles B.S. 1942, University of Alabama	
McCormick, William Stanley A.B. 1931, Yale University	Conn.	North, Robert Hugh	
McCue, Timberlake Shirley B.S. 1939, University of Virginia	Va.	Nunley, William Torrance A.B. 1940, Marshall College	
McGhee, Marjory Royce	D.C.	M.S. 1942, Syracuse University	
McIntire, Annabelle A.B. 1930, Wittenberg College B.S. in L.S. 1935, Louisiana State University	Ohio	Nylon, Edward Warren B.S. 1942, University of Maryland	
McIntyre, Robert Varnon A.B. 1935, The George Washington University	D.C.	O	
McKenzie, Lawson Morell B.S. 1934, A.M. 1938, The George Washington University	D.C.	Oglesby, Robert Dorsey B.S. 1941, University of Pennsyl- vania	
McKey, Richard Kendall	Va.	Olson, Carlota LeRoy	
McKinnon, William Thomas A.B. 1921, A.M. 1926, University of South Carolina	D.C.	O'Reily, Harry Melvin B.S. 1918, University of Kansas	
McLean, Rufus Dinkle A.B. 1941, Marshall College	Ky.	Orndoff, Mary Ann McCann A.B. 1942, The George Washington University	
McMillan, George Michael	Utah	Osann, Edward William B.M.E. 1910, Rensselaer Polytechnic Institute	
McReynolds, Frances R. P. A.B. 1911, Illinois College	D.C.	P	
Memler, Willard Robert A.B. 1941, The George Washington University	D.C.	Packard, Howard Merrill B.S. in Com. 1932, Northwestern University	
Merrell, John Yates A.B. 1942, Brigham Young Uni- versity	Utah	Partello, Melville Cochran B.S. 1914, United States Naval Academy	
Miller, Dorothy Gladys A.B. 1934, Cornell University	D.C.	Partello, Sabina Conlin B.S. in Educ. 1941, University of Southern California	
Miller, Edith Ilomay B.S. in Bus. 1935, University of Idaho	Wash.	M.S. in Soc. Work. 1943, Catholic University of America	
Minno, John A.B. 1938, University of Pittsburgh	Pa.		
Minor, James Beryll A.B. 1943, The George Washington University	D.C.		

[illegible]

SUMMARIES OF REGISTRATION

1943-44

NUMBER OF REGISTRATIONS

Candidates for the degrees of Bachelor of Laws and Juris Doctor:	
First Year	186
Second Year	58
Third Year	45
Total	289
Candidates for the degree of Master of Laws	20
Candidates for the degree of Doctor of Juridical Science	3
Total candidates for degrees	312
Unclassified students	34
"University students"	4
Total	350

GEOGRAPHICAL DISTRIBUTION OF STUDENTS

Alabama	3	New Jersey	7
Arkansas	3	New York	42
California	10	North Carolina	3
Colorado	2	Ohio	9
Connecticut	3	Oklahoma	5
Delaware	1	Oregon	1
District of Columbia	95	Pennsylvania	13
Florida	6	South Carolina	4
Georgia	1	South Dakota	1
Idaho	2	Tennessee	3
Illinois	3	Texas	9
Indiana	16	Utah	8
Iowa	3	Virginia	24
Kansas	2	Washington	6
Kentucky	4	West Virginia	3
Louisiana	2	Wisconsin	6
Maryland	1	Wyoming	2
Massachusetts	17	Brazil	1
Michigan	5	Chile	1
Minnesota	3	China	1
Mississippi	4	England	1
Missouri	1	Philippine Islands	3
Montana	2	Puerto Rico	1
Nebraska	1		
New Hampshire	6		
	2	Total	350

GRADUATES OF COLLEGES REGISTERED IN THE LAW SCHOOL

Alabama, University of.....	5	Illinois College	1
Albertus Magnus College.....	1	Illinois Institute of Technology	4
American University	1	Illinois, University of.....	2
Amherst College	1	Indiana University	1
Antioch College	1	Iowa State College	1
Arizona, University of.....	1	Iowa, University of	1
Arkansas Agricultural and Me- chanical College	2	John B. Stetson University.....	1
Boston University	1	Johnson City State Teachers Col- lege	1
Brigham Young University.....	2	Kansas State Teachers College.....	2
British Columbia, University of...	1	Kansas, University of.....	1
Brooklyn College	4	Kent State College.....	1
Brooklyn Law School	2	Kentucky, University of.....	2
Brown University	1	Knox College	1
Bryn Mawr College	2	Lewis Institute	2
Bucknell University	1	Louisiana State University.....	1
California Institute of Technology	1	Marietta College	1
California, University of	2	Marshall College	2
Carnegie Institute of Technology...	1	Mary Washington College.....	1
Carson and Newman College....	1	Maryland, University of.....	1
Catholic University of America..	2	Massachusetts Institute of Tech- nology	1
Chicago, University of.....	6	Michigan State College.....	1
Cincinnati, University of.....	2	Michigan, University of.....	1
Clark University	1	Mills College	1
Clarke College	1	Minnesota, University of.....	2
Colby College	1	Missouri, University of.....	1
College of the City of New York	8	Murray State Teachers College...	1
Colorado, University of.....	1	Nebraska State Teachers College...	1
Columbia University	11	Nebraska, University of.....	1
Cornell University	6	Nebraska Wesleyan University...	1
Creighton University	1	Nevada, University of.....	1
Dartmouth College	2	New Jersey State Teachers College	1
Dickinson College	2	New Mexico, University of.....	1
Drexel Institute of Technology...	1	New Rochelle, College of.....	1
Duke University	1	New York State College for Teach- ers	1
Ecole Libre des Sciences Politiques	1	New York University.....	1
Elon College	1	North Carolina, University of...	2
Emory and Henry College.....	2	Northwestern University	2
Flora Macdonald College.....	1	Oberlin College	4
Florida, University of.....	1	Ohio State University.....	1
Furman University	1	Oklahoma, University of.....	1
George Peabody College for Teach- ers	1	Pacific University	1
Georgia School of Technology....	1	Pennsylvania State College	4
Georgia, University of	1	Pennsylvania, University of.....	2
George Washington University, The	42	Philippines, University of the...	1
Georgetown University	1	Pittsburgh, University of.....	1
Hamline University	1	Pomona College	2
Harvard University	14	Princeton University	1
Henderson State Teachers College	1	Puerto Rico, University of.....	1
Hobart College	1	Purdue University	1
Hunter College	5	Radcliffe College	1
Idaho, University of.....	2		

Rensselaer Polytechnic Institute..	1	Vassar College	2
Rice Institute	1	Virginia Polytechnic Institute....	1
Richmond, University of.....	1	Virginia, University of.....	2
Rutgers University	1	Wake Forest College.....	1
St. Louis University	1	Washburn College	2
St. Peter's College.....	1	Washington and Lee University..	1
St. Thomas, College of.....	1	Washington, University of.....	5
San Francisco State Teachers Col-		Wellesley College	1
lege	1	West Virginia University.....	1
Smith College	2	Western Reserve University.....	2
South, University of the.....	1	West Tennessee State Teachers	
South Carolina, University of....	3	College	1
South Dakota, University of.....	1	William and Mary, College of....	2
Southern California, University of	1	Wisconsin, University of.....	6
Southwestern College	1	Wittenberg College	1
Southwest Texas State Teachers		Wofford College	2
College	1	Wyoming, University of.....	1
Stanford University	1	Yale University	1
Syracuse University	5	Yankton College	1
Tennessee, University of.....	2		
Texas Christian University.....	1	Total	319
Texas, University of.....	5	Number of college graduates.	281
Trenton State Teachers College..	1	Number of colleges represented	143
Trinity College	2	Candidates for degrees who	
United States Naval Academy....	3	are college graduates.....	254
Utah, University of.....	1	Per cent	81.4

THE GEORGE WASHINGTON UNIVERSITY
WASHINGTON, D. C.

Report of the Comptroller
FOR THE YEAR ENDED
AUGUST 31, 1944

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LETTER OF TRANSMITTAL

December 31, 1944

TO THE PRESIDENT AND THE BOARD OF TRUSTEES
THE GEORGE WASHINGTON UNIVERSITY
WASHINGTON, D. C.

GENTLEMEN:

I am submitting herewith the Report of the Comptroller of The George Washington University for the fiscal year ended August 31, 1944. This report is a review of the budget operations for the year and is based on the budget approved by the Board of Trustees of the University.

The accounts of the University are kept and its financial reports set up as far as practicable in conformance with the recommendations of the National Committee on Standard Reports for Institutions of Higher Education. Under that plan the funds of the University are classified in various fund groups, and the accounts and financial statements are set up to segregate clearly the assets and liabilities of each of these groups as indicated in the balance sheet, Exhibit A.

R. G. Rankin & Co. have examined the accounts of the University for the past year, and their report is appended herewith.

A condensed summary of the principal facts in the report is presented below and on succeeding pages, followed by detailed Exhibits and Schedules.

Respectfully submitted,

HENRY W. HERZOG
Comptroller

CONDENSED SUMMARY

CURRENT FUNDS—UNRESTRICTED

These funds represent unrestricted assets which are available for immediate use in the current operation of the University.

OPERATING INCOME

Operating income for the year was \$2,902,623.87 (Schedule 1).

Scholarships were awarded to students from the following sources: current funds unrestricted (Schedule 2—Page 4), \$13,991.47; endowment income (Schedule 9—Page 4), \$2,719.65.

The University continued the accelerated program to satisfy immediate war needs and the needs of the post-war future. This program provided year-round instruction on a three term basis except in the School of Engineering.

In the interest of the war effort, the University conducted 111 short engineering courses of college grade under Public Law 135, 78th Congress, 1st Session, Title II, subheading "Education and Training, Defense Workers (National Defense)", to provide training for properly qualified trainees. The United States Government appropriated \$91,751.00 for these courses of which \$81,638.83 was expended in the 1943-44 year (Schedules 1 and 2). The balance of \$10,112.17 was deferred to the 1944-45 year and of this amount \$3,082.46 was expended, the balance of \$7,029.71 being refunded to the Government.

Due to manpower problems a physical inventory of the Stockroom has not been taken since Aug. 31, 1943. The prepaid expense of \$29,324.06 (Stockroom and Duplicating Bureau Supplies) Schedule 3 represents book value.

In accordance with the provisions of OSRD Contract (OF-Msr-273, a charge of \$75,000) was made to this contract as an allowance for overhead costs not otherwise reimbursable during the fiscal year ended August 31, 1944. This charge is subject to necessary adjustments to bring the overhead allowance in line with actual costs.

OPERATING EXPENSE

Operating expense for the year was \$2,828,951.54 (Schedule 2).

SURPLUS

The operating net income for the year was \$73,672.33. At the end of the fiscal year 1943-44, the Current Funds Unrestricted Surplus amounted to \$5,687.46. A summary of changes affecting Surplus appears on Exhibit B.

CURRENT FUNDS—RESTRICTED

Gifts, grants, and income from endowments comprise these funds which consist of currently expendable assets, limited as to disposition.

During the year restricted gifts for immediate use amounted to \$3,553.24 (page 70); other restricted gifts for use as needed or specified amounted to \$1,561,720.74 (page 70); restricted endowments earned \$69,008.68.

A summary of changes affecting these funds appears on Exhibit C.

LOAN FUNDS

For the assistance of students seeking financial aid, loan funds have been established by the University and by other organizations (Schedule 10). Loans are made at a low rate of interest and when repaid the interest is added to the principal.

During the year, loans were made to 107 students. Gifts of \$226.00 were made to the Loan Funds (Schedule 10).

A summary of changes affecting these funds appears on Exhibit D.

ENDOWMENT FUNDS

The principal of all endowment funds amounts to \$2,444,797.21, including Reserves for Protection of Investments of the Consolidated Endowment Funds and the Scottish Rite Endowment Fund which have a credit balance of \$72,621.51. These funds are represented by assets which, under the terms of wills, deeds of gift, or under the by-laws of the University, must be held in perpetual trust for income-producing purposes. The principal amount and purpose of every endowment fund of the University are recorded on Schedule 11. A description of the funds begins on page 72.

"Consolidated Endowment Funds" consist of seventy-three endowments with a total value of \$955,026.83 (Schedule 4—Page 2). The assets of these funds are combined to eliminate the possibility of partial or total loss of any fund through the failure of a specific investment, and to avoid temporary suspension of income; it also prevents carrying uninvested small cash balances in amounts not adapted to investment, and gives all funds equality of treatment. Unless otherwise restricted by the donors, the assets of all new endowments are added to the assets of the Consolidated Endowment Funds. Their earnings are recorded in one income account and distributed at the end of the year to the participating funds in the proportion each fund bears to the total of the entire group. This income, after deductions for amortization of premiums on investments and 10% of the balance as a reserve against losses (Schedule 11), was distributed to the participating funds at the end of the past year at the rate of 3.6229% (Schedule 9).

The Scottish Rite Fund earned 3.4688% net income on its investments during the year just ended.

Pledges to the School of Medicine Endowment Fund on August 31, 1944, totaled \$79,380.00.

Net income of endowment funds for the year was \$86,054.04 (Schedule 9—Page 4).

A summary of changes affecting these funds appears on Exhibit E.

PLANT FUNDS—UNEXPENDED

Cash and other assets not yet expended for development of the physical plant comprise this type of fund (Schedule 6). There was expended from these funds during the past year \$86,669.35 for land, buildings, and equipment (Schedule 12).

Unexpended Plant Funds total \$191,092.27 (Exhibit F), the investments of which are shown on Schedule 6.

A summary of changes affecting these funds appears on Exhibit F.

PLANT FUNDS—INVESTED IN PLANT

The investment in the physical plant of the University includes land, buildings, and equipment; their total value August 31, 1944, was \$5,459,392.46 (Exhibit A).

Additions to land and buildings during the year totaled \$170,910.82 (Schedule 7). Equipment was increased by \$40,074.00 (Schedule 8). Trust notes payable were curtailed in the amount of \$34,000 and a new trust note payable was assumed in the amount of \$25,000 making a net reduction in trust notes payable of \$9,000 (Exhibit G).

Additional expenditures on the Lisner Auditorium amounted to \$27,882.91 (Schedule 7—Page 1) increasing the valuation to \$803,090.48.

A summary of changes affecting these funds appears on Exhibit G.

AUDIT CERTIFICATE

December 31, 1944

TO THE PRESIDENT AND THE BOARD OF TRUSTEES
THE GEORGE WASHINGTON UNIVERSITY
WASHINGTON, D. C.

GENTLEMEN:

We have examined the balance sheet of THE GEORGE WASHINGTON UNIVERSITY as at August 31, 1944, and the statements of current operating income and expense, current funds surplus, and other fund transactions for the fiscal year then ended, have reviewed the system of internal control and the accounting procedure of the University, and, without making a detailed audit of the transactions, have examined or tested accounting records of the University and other supporting evidence, by methods and to the extent we deemed appropriate.

In our opinion, the balance sheet and related statements of current operating income and expense, current funds surplus, and other fund transactions included in the accompanying Report of the Comptroller of the University, present fairly the financial position of The George Washington University as at August 31, 1944, and the results of operations for the fiscal year then ended, in conformity with accepted principles of university and college accounting applied on a basis consistent with that of the preceding year.

Respectfully submitted,

R. G. RANKIN & Co.

THE GEORGE WASHINGTON UNIVERSITY

BALANCE SHEET

August 31, 1944

Assets

CASH.....	44,950.08
ACCOUNTS RECEIVABLE (Schedule 3).....	16,905.71
TRUST NOTES RECEIVABLE (Schedule 3).....	36,000.00
INVENTORY—Student Club.....	5,255.00
PREPAID EXPENSE (Schedule 3).....	56,238.19
	<u>159,348.98</u>

CASH.....	287,965.78
INVESTMENT \$50,000 par value U.S.A. Savings Bond, Series G, 2½%, due 11-1-54.....	50,000.00
	<u>337,965.78</u>

CASH.....	17,732.76
LOANS RECEIVABLE.....	<u>27,130.39</u>

LIABILITIES

CURRENT FUNDS

UNRESTRICTED

NOTES PAYABLE—Riggs National Bank. Due on or before 10-28-44. Interest 3%.....	125,000.00
DEFERRED INCOME AND DEPOSITS (Schedule 3).....	28,661.52
SURPLUS (Exhibit B).....	<u>5,687.46</u>
	159,348.98

RESTRICTED

UNEXPENDED FUNDS (Exhibit C).....	337,965.78
-----------------------------------	------------

LOAN FUNDS

44,863.15	PRINCIPAL OF FUNDS (Exhibit D).....	44,863.15
-----------	-------------------------------------	-----------

ENDOWMENT FUNDS

Cash (Schedule 4)..... 24,673.69
 INVESTMENTS* (Schedule 4)..... 2,188,574.31
 2,213,248.00

CONTROLLED BY OTHER TRUSTEES
 (Schedule 5).....

231,549.21 2,444,797.21 PRINCIPAL OF FUNDS (Exhibit E)..... 2,444,797.21

PLANT FUNDS

UNEXPENDED

Cash (Schedule 6)..... 31,361.10
 INVESTMENTS (Schedule 6)..... 159,731.17
 191,092.27 PRINCIPAL OF FUNDS (Exhibit F)..... 191,092.27

INVESTED IN PLANT

LAND AND BUILDINGS (Schedule 7)..... 4,872,398.94
 EQUIPMENT (Schedule 8)..... 586,993.52
 5,459,392.46
 8,637,459.85

TRUST NOTES PAYABLE†
 (Schedule 7)..... 786,680.23
 NET INVESTMENT (Exhibit G)..... 4,672,712.23

5,459,392.46
 8,637,459.85

ELIMINATION OF INTER-FUND ACCOUNT
 *(Schedule 4—Page 2).....

323,430.23
 8,314,029.62

ELIMINATION OF INTER-FUND ACCOUNT
 †(Schedule 7—Page 2)..... 323,430.23
 TOTAL..... 8,314,029.62

EXHIBIT A

BALANCE SHEET IN SUMMARY FORM

August 31, 1944

Assets	Total	Current Funds		Loan Funds	Endowment Funds	Plant Funds	
		Unrestricted	Restricted			Unexpended	Invested in Plant
Cash.....	406,683.41	44,950.08	287,965.78	17,732.76	24,673.69	31,361.10	
Accounts Receivable.....	16,905.71	16,905.71					
Trust Notes Receivable*	421,187.02	36,000.00			383,430.23*	1,756.79	
Inventory.....	5,255.00	5,255.00					
Prepaid Expense.....	56,238.19	56,238.19					
Bonds.....	1,218,830.35		50,000.00		1,130,808.35	38,022.00	
Loans Receivable.....	27,130.39			27,130.39			
Stocks—Preferred.....	320,857.58				320,857.58		
Stocks—Common.....	470,573.39				350,621.01	119,952.38	
Real Estate.....	2,857.14				2,857.14		
Controlled by Other Trustees.....	231,549.21				231,549.21		
Land and Buildings.....	4,872,398.94						4,872,398.94
Equipment.....	586,993.52						586,993.52
	8,637,459.85	159,348.98	337,965.78	44,863.15	2,444,797.21	191,092.27	5,459,392.46
*Less Inter-Fund Account.....	323,430.23						
Total.....	8,314,029.62						

Liabilities	Total	Current Funds		Loan Funds	Endowment Funds	Plant Funds	
		Unrestricted	Restricted			Unexpended	Invested In Plant
Notes Payable.....	125,000 00	125,000 00					
Deferred Income and Deposits	28,661 52	28,661 52					
Unexpended Funds.....	337,965 78		337,965 78				
Principal of Funds.....	2,680,752 63			44,863 15	2,444,797 21	191,092 27	786,680 23†
Trust Notes Payable.....	786,680 23						
Surplus—Current Funds.....	5,687 46	5,687 46					
Net Investment in Plant.....	4,672,712 23						4,672,712 23
		159,348 98	337,965 78	44,863 15	2,444,797 21	191,092 27	5,459,392 46
†Less Inter-Fund Account.....	8,637,459 85						
	323,430 23						
Total.....	8,314,029 62						

SUMMARY OF CURRENT OPERATING INCOME AND EXPENSE

For the Year Ended August 31, 1944

Income (Schedule 1)	
Educational and General	
Student Fees.....	1,025,393.95
Endowment Investments Income.....	80,764.08
Gifts and Grants.....	1,318,337.78
Other Sources.....	58,939.92
	<u>2,483,435.73</u>
Activities Relating to Instruction.....	274,766.05
	<u>2,758,201.78</u>
Auxiliary Enterprises	
Non Educational.....	144,212.09
	<u>210.00</u>
	<u>2,902,623.87</u>
Expense (Schedule 2)	
Educational and General	
Administration and General.....	215,882.77
Instruction.....	730,454.61
Organized Research.....	1,313,065.30
Libraries.....	34,981.56
Maintenance and Operation of Plant.....	137,199.63
Other Expense.....	57,645.03
	<u>2,489,228.90</u>
Activities Relating to Instruction.....	269,963.21
	<u>2,759,192.11</u>
Auxiliary Enterprises	
Non Educational.....	136,167.05
	<u>48,720.37</u>
	<u>2,944,079.53</u>
Less general overhead expense re-apportioned (page 35).....	115,127.99
	<u>2,828,951.54</u>

SUMMARY OF CURRENT FUNDS—UNRESTRICTED SURPLUS
For the Year Ended August 31, 1944

BALANCE AUGUST 31, 1943.....					29,193.90
ADDITIONS					
Excess of Current Operating Income over Current Operating Expense (see above).....				73,672.33	
Duplicating Bureau Equipment Fund (Schedule 12).....				2,780.42	
George Washington Memorial Fund—To reimburse Current Funds Unrestricted for maintenance expenses of Lisner Auditorium for the years 1942-43 and 1943-44 (Schedule 12).....				13,309.56	
Pairo Fund—To reimburse Current Funds Unrestricted for Land and Buildings acquired prior to September 1, 1943, previously transferred to Plant Funds Invested (Schedule 12).....				250.00	
				<u>90,012.31</u>	
				<u>119,206.21</u>	
DEDUCTIONS					
Transferred to Reserve for Reduction of Note Payable of Current and Plant Funds to Consolidated Endowment Funds (Schedule 12).....				1,240.84	
Transferred to Net Investment in Plant—Land and Buildings—Exhibit G.....				78,277.91	
Reduction in Trust Notes Payable—Exhibit G.....					
Trust Notes Payable August 31, 1943.....			795,680.23		
Addition to Trust Notes Payable.....			<u>25,000.00</u>		
Trust Notes Payable August 31, 1944 (Schedule 7).....					
				<u>820,680.23</u>	
				<u>786,680.23</u>	
				<u>34,000.00</u>	
				<u>113,518.75</u>	
BALANCE AUGUST 31, 1944—EXHIBIT A.....					<u>5,687.46</u>

EXHIBIT B

SUMMARY OF CURRENT FUNDS RESTRICTED—UNEXPENDED

For the Year Ended August 31, 1944

	TOTAL	MISCEL- LANEOUS	ORGANIZED RESEARCH	AGENCY	INVESTMENT INCOME
BALANCE AUGUST 31, 1943.	<u>86,071.45</u>	<u>7,155.92</u>	<u>19,799.89</u>	<u>561.24</u>	<u>58,554.40</u>
ADDITIONS (Schedule 9)					
Gifts and Grants.....	1,562,143.98	2,806.85	1,559,337.13	2,285.74	92,260.23
Miscellaneous Receipts.....	<u>2,779.99</u>	<u>494.25</u>	.....	.....	.....
Investment Income.....	<u>92,260.23</u>	.....	.....	<u>2,285.74</u>	<u>92,260.23</u>
	<u>1,657,184.20</u>	<u>3,301.10</u>	<u>1,559,337.13</u>	.....	.....
DEDUCTIONS (Schedule 9)					
Scholarships, fellowships.....	1,244.00	1,244.00	.....	.....	.....
Refunds.....	<u>113.00</u>	<u>113.00</u>	.....	.....	.....
Transferred to Schedule 1.....	82,139.07	544.94	.....	.....	81,594.13
Expenses.....	<u>759,146.94</u>	<u>47.55</u>	<u>759,099.39</u>	.....	.....
Library Books.....	31.27	31.27	.....	.....	.....
Salaries.....	553,965.91	.....	553,965.91	.....	.....
Withdrawals.....	<u>564.72</u>	.....	.....	<u>564.72</u>	<u>4,672.58</u>
Transferred to Funds Principal.....	4,672.58	.....	.....	.....	<u>36.23</u>
Other transfers.....	<u>36.23</u>	.....	.....	.....	<u>656.50</u>
Prizes awarded.....	656.50	.....	.....	.....	<u>2,719.65</u>
Scholarships awarded.....	<u>2,719.65</u>	.....	.....	.....	.....
	<u>1,405,289.87</u>	<u>1,980.76</u>	<u>1,313,065.30</u>	<u>564.72</u>	<u>89,679.09</u>
BALANCE AUGUST 31, 1944	<u>337,965.78</u>	<u>8,476.26</u>	<u>266,071.72</u>	<u>2,282.26</u>	<u>61,135.54</u>

SUMMARY OF LOAN FUNDS PRINCIPAL

For the Year Ended August 31, 1944

BALANCE AUGUST 31, 1943.....	46,140.98	
ADDITIONS (Schedule 10)		
Income from endowment	181.15	
Gifts	226.00	
Interest on loans	106.94	
	<u>514.09</u>	
	46,655.07	
DEDUCTIONS (Schedule 10)		
Refunded to United States Government	1,791.92	
BALANCE AUGUST 31, 1944—EXHIBIT A.....	<u>44,863.15</u>	

EXHIBIT D

SUMMARY OF ENDOWMENT FUNDS PRINCIPAL

For the Year Ended August 31, 1944

	TOTAL	ENDOWMENT FUNDS	RESERVES FOR PROTECTION OF INVESTMENTS
BALANCE AUGUST 31, 1943.....	2,519,686.58	2,436,888.62	82,797.96
ADDITIONS (Schedule 11)			
Gifts.....	8,118.76	8,118.76	
Investment income.....	1,883.18	1,883.18	
Gain on sale of investments.....	34.30	34.30	
10% of Consolidated Endowment Funds net income.....	3,631.38		3,631.38
	13,667.62	10,036.24	3,631.38
DEDUCTIONS (Schedule 11)			
Loss on sale of investments.....	88,556.99	74,749.16	13,807.83
BALANCE AUGUST 31, 1944—EXHIBIT A.....	2,444,797.21	2,372,175.70	72,621.51

SUMMARY OF PLANT FUNDS—UNEXPENDED

For the Year Ended August 31, 1944

	TOTAL	PLANT ADDITIONS	RETIREMENT OF DEBT	RESERVE FOR PROTECTION OF INVESTMENTS
BALANCE AUGUST 31, 1943...	309,802.33	289,541.63	17,287.36	2,973.34
ADDITIONS (Schedule 12)				
Investment income.....	2,608.25	1,678.11	930.14	
Gifts.....	574.44	574.44		515.34
Gain on sale of investments.....	554.05	38.71		
Transferred from Surplus (Exhibit B).....	1,240.84		1,240.84	
	4,977.58	2,291.26	2,170.98	515.34
DEDUCTIONS (Schedule 12)				
Transferred to Surplus (Exhibit B).....	16,089.98	16,089.98		
Land and Buildings—Invested in Plant—Exhibit G.....	67,632.91	67,632.91		
Equipment—Invested in Plant—Exhibit G.....	19,036.44	19,036.44		
Net loss on sale of investments.....	20,678.31	20,678.31		
Transferred to Surplus (Exhibit B).....	250.00	250.00		
	123,687.64	123,687.64		
BALANCE AUGUST 31, 1944—EXHIBIT A.....	191,092.27	168,145.25	19,458.34	3,488.68

EXHIBIT F

SCHEDULES

Exhibit B

CURRENT OPERATING INCOME
For the Year Ended August 31, 1944

EDUCATIONAL AND GENERAL

STUDENT FEES

Tuition and Laboratory

Junior College.....	215,726.79	
Columbian College.....	63,438.08	
Graduate Council.....	2,341.00	
School of Government.....	11,348.74	
Division of Secretarial Studies.....	11,574.00	
Division of University Students.....	156,387.62	449,816.23
Division of Extension Students.....		7,536.50
School of Education.....		21,635.83
Engineering.....		
University Courses.....	30,401.30	
War Training Courses.....		
1942-43 Series.....	8,942.67	
Refunded to U. S. Government.....	7,383.70	1,558.97
1943-44 Series.....	91,751.00	
Deferred to 1944-45.....	10,112.17	81,638.83
Law.....		113,599.10
Medicine.....		30,517.57
Pharmacy.....		162,473.50
		2,838.91

Summer Sessions

College	40,630.99
Junior	16,566.50
Columbian	
Division of	
Extension Students	2,546.00
Secretarial Studies	276.25
University Students	38,486.38
School of	
Education	6,757.25
Engineering	2,825.50
Government	3,311.75
Law	9,176.00
Pharmacy	280.00
Unallocated (Fees Old)	

120,856.62
4,859.12
914,133.38

Miscellaneous Fees

Art Validation	75.00
Binding Theses	105.00
Breakage	2,847.57
Graduation	8,120.00
Junior Certificates	2,370.00
Medical School Credentials	2,292.00
Student Bar Association	1,094.00
University Fees	94,357.00

111,260.97
1,025,393.95

INVESTMENT INCOME (Schedule 9)

Endowment Funds	16,995.68
Unrestricted	75,482.60
Restricted	
Plant Funds	
Restricted	5,281.48
	<u>80,764.08</u>

CURRENT OPERATING INCOME (Continued)
For the Year Ended August 31, 1944

EDUCATIONAL AND GENERAL (Continued)

GIFTS AND GRANTS

Unrestricted (page 70).....

1,455 47

Restricted

Organized Research (portion used—Schedule 9).....

Dra. Freeman and Watts

1,313,065 30

Deferred from 1942-43 (Schedule 9).....

208 03

Received in 1943-44 (portion used—page 70).....

391 97

Women's Auxiliary, D. C. Pharmaceutical Ass'n (Schedule 9).....

600 00

Other (page 70).....

55 74

1,316,882 31

1,318,337 78

OTHER SOURCES

Commission for Collection of Doctors' Fees—Hospital.....

Discounts Earned.....

Interest Earned.....

Library Fines.....

Miscellaneous Income.....

Photostats, Transcripts.....

Reading Clinic Fees.....

Rent on University Property—Net.....

Speech Clinic.....

Student Activities.....

Hatchet.....

Law Review.....

Student Council.....

United States Government Reimbursement—Books, Supplies, etc.

Army—A. S. T. P.—Medical School Program.....

Navy V12—Medical School Program.....

Veterans Administration Program.....

1,428 24

1,993 22

5,344 70

8,766 16

20,921 67

12,672 75

1,861 91

35,156 33

58,939 92

ACTIVITIES RELATING TO INSTRUCTIONAL DEPARTMENTS
The George Washington University Hospital

Hospital Patients		
Private Rooms	89,384.11	
Semi-Private Rooms	23,020.55	
Wards	48,888.02	
Operating Rooms	12,121.25	
Delivery Rooms	7,143.50	
X-Ray Department	15,190.78	
Laboratories	13,239.81	
Pathological Examinations—Frozen Sections	337.50	
Tissues	2,088.00	
Pharmacy	12,992.31	
Plasma	47.55	
Supplies	1,731.55	
Special Nursing Care	20.00	
Board of Special Nurses	3,367.90	
Telephone	209.31	
Other Hospital Service	2,985.00	
Out Patient Department	1,448.56	234,185.70
Other Sources		
Community Chest	10,332.91	
Health Security Administration	3,243.79	
Gifts—Amity Relief Club (Schedule 9)	1.98	
" Hattie M. Strong (Schedule 9)	459.72	
" Women's Board (Schedule 9)	27.50	
" Other (page 70)	731.25	
Subsistence of Staff	1,220.45	
Endowment Income (Schedule 9)	21,000.00	
Miscellaneous Income	830.05	
	143.94	
	36,771.14	270,956.84
Post Graduate Course in Ophthalmology		
Receipts	4,845.00	
Deferred	1,035.79	3,809.21
		274,766.05

CURRENT OPERATING INCOME (Continued)
For the Year Ended August 31, 1944

AUXILIARY ENTERPRISES	Exhibit B
RESIDENCE HALLS	
Staughton Hall.....	10,977.20
Strong Hall.....	23,453.24
Miscellaneous Income.....	<u>24.53</u>
	34,454.97
DINING HALLS	
Cafeteria, Pinto, W. Va.....	17,741.22
University.....	<u>43,911.92</u>
	61,653.14
SORORITY HALLS	
2129 G Street NW.....	4,560.00
802 21st Street NW.....	<u>2,032.50</u>
	6,592.50
DUPLICATING BUREAU.....	1,036.68
STUDENT CLUB.....	40,434.80
OTHER	
Martha Washington Club.....	20.00
Themian Club.....	<u>20.00</u>
	40.00
144,212.09	
NON EDUCATIONAL	
Prizes—Gifts (Page 71).....	<u>210.00</u>
TOTAL—EXHIBIT B.....	<u>2,902,623.87</u>

CURRENT OPERATING EXPENSE

For the Year Ended August 31, 1944

	TOTAL	SALARIES	OTHER EXPENSE	EQUIPMENT EXHIBIT G
EDUCATION AND GENERAL				
ADMINISTRATION AND GENERAL				
President's Office.....	49,810.31	34,916.15	14,894.16	
Comptroller's Office.....	39,462.88	29,489.78	9,973.10	
Business Manager's Office.....	54,504.77	19,000.19	32,377.17	3,127.41
Admissions Office.....	17,081.22	15,652.80	1,428.42	
Registrar's Office.....	15,463.17	13,674.19	1,788.98	
Adviser to Students from Foreign Countries.....	549.16	400.00	149.16	
Alumni Office.....	8,790.51	6,262.90	2,527.61	
Inter-American Center.....	2,775.89	2,400.00	375.89	
Personnel Department.....	3,513.28	3,335.34	177.94	
Public Relations.....	6,958.71	3,233.85	3,724.86	
Retirements.....	13,800.00	13,800.00		
Social Activities.....	2,828.70	1,642.99	978.64	207.07
University Chapels.....	344.17	280.00	64.17	
TOTAL ADMINISTRATIVE AND GENERAL—EXHIBIT B . . .	215,882.77	144,088.19	68,460.10	3,334.48

CURRENT OPERATING EXPENSE (Continued)
For the Year Ended August 31, 1944

EDUCATIONAL AND GENERAL (Continued)

INSTRUCTION

Junior and Columbian Colleges
Divisions of Secretarial Students and University Students
Graduate Council and School of Government

	TOTAL	SALARIES	OTHER EXPENSE	EQUIPMENT EXHIBIT G
Administrative Expense				
Art	15,221.29	13,906.45	1,314.84	
Biology	6,863.20	4,900.00	1,963.20	
Botany	4,400.00	4,400.00		
Business Administration	9,438.38	9,200.00	186.63	51.75
Chemistry	10,622.87	10,600.00	22.87	
Economics	27,282.27	22,916.75	4,049.75	315.77
English	14,945.70	14,900.00	45.70	
Germanic Languages	31,157.27	31,060.00	97.27	
Graduate Council	9,309.97	9,300.00	9.97	
History	75.00	75.00		
Mathematics	13,449.52	13,420.00	29.52	
Philosophy	13,906.52	13,900.00	6.52	
Physics	3,302.00	3,300.00	2.00	
Political Science	15,441.70	15,003.00	389.90	48.80
Psychology	14,249.45	14,225.00	24.45	
Romance Languages	11,102.05	10,729.67	293.55	78.83
Secretarial Studies	22,764.62	22,718.00	46.62	
Sociology	5,210.55	5,000.00	210.55	
Speech	600.00	600.00		
Statistics	9,222.68	8,935.00	287.68	
Zoology	7,225.24	6,500.00	42.74	682.50
	12,757.45	11,775.00	882.70	99.75
	238,547.73	247,363.87	9,906.46	1,277.40

Division of Extension Students

Administrative Expense.....	2,641.57	2,240.00	381.57
Instruction.....	7,416.03	6,874.03	542.00
	<u>10,057.60</u>	<u>9,134.03</u>	<u>923.57</u>

School of Education

Administrative Expense.....	2,395.71	2,324.00	71.71
Education.....	18,072.94	17,433.00	639.94
Home Economics.....	11,041.56	8,900.00	2,099.56
	<u>31,510.21</u>	<u>28,657.00</u>	<u>2,811.21</u>
			<u>42.00</u>
			<u>42.00</u>

School of Engineering

University Courses			
Administrative Expense.....	3,174.90	3,010.00	164.90
Civil.....	8,806.33	8,425.00	152.53
Electrical.....	6,966.99	6,780.00	71.38
Management.....	6,000.00	6,000.00	
Mechanical.....	9,074.09	8,900.00	174.09
	<u>34,022.31</u>	<u>33,115.00</u>	<u>562.90</u>
			<u>344.41</u>
			<u>228.80</u>
			<u>115.61</u>

War Training Courses

1942-43 Series			
Administrative Expense.....	1,519.92	305.25	(- 17)
Instruction.....	39.05	(- 318.10)	19.51
	<u>1,558.97</u>	<u>(- 12.85)</u>	<u>19.34</u>
			<u>(- 17)</u>

1943-44 Series

Administrative Expense.....	23,918.91	15,820.17	8,060.89
Instruction.....	51,719.92	48,651.50	1,352.65
Maintenance*.....	6,000.00		6,000.00
	<u>81,638.83</u>	<u>64,471.67</u>	<u>15,413.54</u>
			<u>1,753.62</u>

Total Engineering.....

	<u>117,220.11</u>	<u>97,573.82</u>	<u>17,528.92</u>
			<u>2,117.37</u>

CURRENT OPERATING EXPENSE (Continued)
For the Year Ended August 31, 1944

	TOTAL	SALARIES	OTHER EXPENSE	EQUIPMENT EXHIBIT C
EDUCATIONAL AND GENERAL (Continued)				
INSTRUCTION (Continued)				
Law School				
Administrative Expense	3,602 80	3,300 00	302 80	
Instruction	35,461 25	35,200 00	261 25	
	<u>39,064 05</u>	<u>38,500 00</u>	<u>564 05</u>	
School of Medicine				
Administrative Expense	21,711 49	18,970 00	2,741 49	
Anatomy	14,832 81	13,776 67	879 01	177 13
Bacteriology, Hygiene, and Preventive Medicine	20,053 65	18,807 10	930 01	316 54
Biochemistry	19,054 25	17,566 00	1,188 75	299 50
Dermatology	1,207 00	1,200 00	7 00	
Medicine	21,978 18	21,820 00	158 18	
Neurology	3,557 60	3,340 00	217 60	
Obstetrics and Gynecology	6,736 91	6,600 00	136 91	
Ophthalmology	1,718 81	1,650 00	68 81	
Oto-rhino-laryngology	1,900 00	1,900 00		
Pathology	26,946 58	25,469 84	1,157 20	319 54
Pediatrics	3,275 00	3,250 00	25 00	
Pharmacology	14,464 66	13,563 50	593 67	307 49
Physiology	20,183 05	18,477 00	1,286 33	419 72
Psychiatry	2,025 00	2,025 00		
Surgery	6,746 66	6,666 66	80 00	
Urology	1,291 25	1,200 00	91 25	
General Research	9,443 83	2,271 60	7,172 23	
	<u>197,126 73</u>	<u>178,553 37</u>	<u>16,733 44</u>	<u>1,839 92</u>
School of Pharmacy				
Administrative Expense	44 45		44 45	
Instruction	2,608 23	2,240 00	282 83	85 40
	<u>2,652 68</u>	<u>2,240 00</u>	<u>327 28</u>	<u>85 40</u>

<i>Summer Sessions</i>					
<i>Administrative Expense.</i>				5 47	
<i>Instruction.</i>				680 32	
				<u>685 79</u>	
				51,232 00	
				<u>51,232 00</u>	
Physical Education					
Men				6,594 88	1,474 41
Women				12,715 30	1,500 32
				<u>19,310 18</u>	<u>2,974 73</u>
					<u>72 80</u>
					<u>5,434 89</u>
TOTAL INSTRUCTION—EXHIBIT B.				<u>672,564 27</u>	<u>52,455 45</u>
ORGANIZED RESEARCH (SCHEDULE 9) — EXHIBIT B*				553,965 91	759,099 39
LIBRARIES					
Books					
Other Expense				22,301 38	8,424 73
				<u>22,301 38</u>	<u>72 16</u>
TOTAL LIBRARIES—EXHIBIT B.				<u>22,301 38</u>	<u>8,496 89</u>
MAINTENANCE AND OPERATION OF PLANT—EXHIBIT B*				71,475 59	65,724 04
OTHER EXPENSE					
Student Activities					
Health Administration				6,589 17	1,512 70
Law Review				791 25	2,941 16
Men's Athletics					364 43
Student Council Accounts					11,885 93
University Accounts				2,000 00	1,438 75
United States Government					
Army, Navy—Medical Students' Expenses					28,954 83
Veterans Administration—Veterans' Expenses				325 50	840 81
				<u>9,705 92</u>	<u>47,939 11</u>
TOTAL OTHER EXPENSE—EXHIBIT B.				<u>9,705 92</u>	

CURRENT OPERATING EXPENSE (Continued)

For the Year Ended August 31, 1944

EDUCATIONAL AND GENERAL (Continued)	TOTAL	SALARIES	OTHER EXPENSE	EQUIPMENT EXHIBIT G
ACTIVITIES RELATING TO INSTRUCTION				
The George Washington University Hospital				
Administration*	27,989.38	8,967.03	19,022.35	
Medical and Surgical Care	22,046.42	2,730.25	19,316.17	
Nursing Care	76,811.53	76,811.53		
Laboratories	7,182.84	6,534.17	648.67	
Pharmacy	11,641.04	1,680.00	9,961.04	
X-Ray	15,164.81	11,696.61	3,468.20	
Dietary	44,428.09	12,925.24	31,502.85	
Out Patient Department	6,039.65	5,878.69	160.96	
Laundry	11,711.38	.....	11,711.38	
Medical Records and Library	1,773.50	1,720.00	53.50	
Housekeeping	10,178.58	7,796.36	2,382.22	
Heat, Light, Power	4,828.32	.....	4,828.32	
Maintenance of Building	4,341.11	2,041.25	2,299.86	
Yard Service	1,017.35	977.90	39.45	
Subsistence of Staff	21,000.00	21,000.00		
	266,154.00	160,759.03	105,394.97	
Post-Graduate Course in Ophthalmology	3,809.21	2,375.00	1,434.21	
TOTAL ACTIVITIES RELATING TO INSTRUCTION —				
Exhibit B	269,963.21	163,134.03	106,829.18	
AUXILIARY ENTERPRISES				
RESIDENCE HALLS				
Stoughton Hall	11,417.43	4,538.54	3,464.59	3,414.30
Strong Hall	15,707.41	8,357.32	7,350.09	
	27,124.84	12,895.86	10,814.68	3,414.30
SORORITY HALLS				
2129 G Street NW	1,226.46	235.50	990.96	
402 21st Street NW	1,368.06	260.75	1,107.31	
	2,594.52	496.25	2,098.27	

DINING HALLS

Cafeteria, Pinto, W. Va.

17,590.91
48,288.03
65,878.94

7,932.19
16,004.86
23,937.05

9,658.72
32,283.17
41,941.89

DUPLICATING BUREAU

836.11

645.47

190.64

23,496.03

STUDENT CLUB

32,755.09

8,902.06

2,884.57

81,486.08

AUDITORIUM

6,977.55

4,092.98

50,909.67

TOTAL AUXILIARY ENTERPRISES—EXHIBIT B

136,167.05

357.00

3,771.30

NON EDUCATIONAL

Prizes Awarded from Gifts Received (page 71)

210.00

210.00

210.00

SCHOLARSHIPS

13,991.47

13,991.47

13,991.47

INTEREST ON NOTES PAYABLE

34,518.90

34,518.90

34,518.90

TOTAL NON EDUCATIONAL—EXHIBIT B

48,720.37

48,720.37

48,720.37

TOTAL EXPENSE—EXHIBIT B

2,944,079.53

1,688,144.96

1,234,897.01

*Less general overhead, administrative, and/or maintenance expense apportioned as follows:

Organized Research—Page 33

Navy Department

1,820.80

Office of Scientific Res. and Development

80,937.44

Contract OEMsr-273

2,447.04

Contract OEMsr-1356

2,250.00

War Department

86.84

War Production Board

87,542.12

War Training Courses

12,585.87

University Hospital

15,000.00

TOTAL EXPENSE, ADJUSTED—EXHIBIT B

115,127.99

2,828,951.54

MISCELLANEOUS ASSETS AND LIABILITIES

August 31, 1944

ACCOUNTS RECEIVABLE

Tuition Fees—School of Medicine	17 48
Mothers' Health Clinic	17 69
Lederle Laboratories	300.00
United States Government	
Food and Drug Administration	1,212 00
Navy Department—Bureau of Naval Ordnance	2,063 00
Office for Emergency Management—Office of Scientific Research and Development	11,884 31
Quartermaster Corps	1,403 20
War Department	8 03
	<u>16,905.71</u>

Exhibit A

TRUST NOTES RECEIVABLE

GARFIELD MEMORIAL HOSPITAL—Due \$1,000 each May 11 and November 11 until paid in full.	
Interest 4% Secured by lots 800-801-806-809, square 2864	6,000 00
HARRY AND Co.—Due July 9, 1945. Interest 5%. Secured by lots 53-54, square 248	30,000 00
	<u>36,000.00</u>

PREPAID EXPENSE

Microscopes	23,808.10
Stockroom and Duplicating Bureau Supplies	29,324.06
Other	3,106.03
	<u>56,238.19</u>

DEFERRED INCOME AND DEPOSITS

Library Deposits	
Student Fees	75.00
Kalusowski Equipment Fund	23,126.17
Post-Graduate Course in Ophthalmology	7 52
Student Council—Book Exchange	3,386.91
Cherry Tree	151 74
	<u>28,661.52</u>

ASSETS OF ENDOWMENT FUNDS—CONTROLLED BY THE UNIVERSITY

August 31, 1944

CARR SCHOLARSHIP FUND

					VALUE	
	DESCRIPTION	%	DUE	PAR	MARKET	BOOK
BONDS						
	Atchison, Topeka and Santa Fe Ry. Co. General Mortgage	4	1995	2,000	2,480.00	1,970.00
	Pennsylvania Railroad Co. Consolidated Mortgage	4½	1960	1,000	1,250.00	1,032.00
	Southern Pacific Railroad Co. First Refunding Mortgage	4	1955	2,000	2,040.00	1,750.00
	United States of America Savings Bonds, Series G	2½	10-1-54	15,000	14,535.00	15,000.00
	United States of America "	2½	4-1-55	2,000	1,956.00	2,000.00
	United States of America "	2½	9-1-55	1,100	1,086.80	1,100.00
					<u>23,347.80</u>	<u>22,852.00</u>
STOCKS—PREFERRED						
	American Cyanamid Co. Cumulative	5	....	200	2,400.00	2,385.00
STOCKS—COMMON						
	Chrysler Corporation			100	9,200.00	11,500.25
	Continental Illinois National Bank and Trust Co.			30	2,970.00	1,882.81
	Continental Oil Co. of Delaware			60	1,680.00	2,861.55
	General Motors Corporation			100	6,200.00	4,904.50
	Socony-Vacuum Oil Co.			200	2,600.00	3,875.00
					<u>22,650.00</u>	<u>25,024.11</u>
	CASH				33.80	33.80
TOTALS					<u>48,431.60</u>	<u>50,294.91</u>

ASSETS OF ENDOWMENT FUNDS CONTROLLED BY THE UNIVERSITY (Continued)

August 31, 1944

CONSOLIDATED ENDOWMENT FUNDS

BONDS	DESCRIPTION	% DUE	VALUE	
			PAR	MARKET
Alleghany Corporation	Convertible	3 1/4	18,000	19,080 00
American Gas and Electric Co.	Sinking Fund Debenture	3 1/2	21,000	22,470 00
Atlantic Refining Co.	Debenture	3	10,000	10,300 00
Chicago, Burlington and Quincy R. R. Co.	First and Refunding Mortgage A	5	25,000	27,250 00
Cities Service Co.	Debenture	5	10,000	10,300 00
City and Suburban Ry. Co. of D. C.	First Mortgage Guaranteed	3 3/4	5,000	5,350 00
Great Northern Railway Co.	General Mortgage D	4 1/2	25,000	29,000 00
Lexington and Myers Tobacco Co.	Debenture	5	12,000	14,400 00
Pennsylvania Railroad Co.	General Mortgage E	4 1/4	25,000	28,750 00
United States of America	Treasury Bond	2 1/2	100	107 00
United States of America	Savings Bond, Series G	2 1/2	47,000	45,543 00
United States of America	" " " "	2 1/2	17,000	16,473 00
United States of America	" " " "	2 1/2	34,500	33,741 00
United States of America	" " " "	2 1/2	30,000	29,640 00
United States of America	" " " "	2 1/2	5,500	5,434 00
United States of America	" " " "	2 1/2	9,000	8,892 00
Virginia Electric and Power Co.	First and Refunding Mortgage B	2 1/2	2,000	2,000 00
Washington Gas Light Co.	General Mortgage	3 1/2	6,000	7,080 00
West Shore Railroad Co.	Guaranteed First Mortgage	4	1,000	630 00
				317,240 00
				309,947 15

STOCKS—PREFERRED

STOCKS—PREFERRED	DESCRIPTION	% DUE	VALUE	
			PAR	MARKET
Allis-Chalmers Manufacturing Co.	Cumulative Convertible	4	100	11,400 00
American Brake Shoe Co.	" " " "	5 1/4	180	23,760 00
American Cyanamid Co.	" " " "	5	700	8,400 00
American Smelting and Refining Co.	" " " "	7	120	18,960 00
American Viscose Corporation	" " " "	5	100	11,900 00
Appalachian Electric Power Co.	" " " "	4 1/2	100	11,100 00
Atchafalpa, Topeka and Santa Fe Ry. Co.	Non Cumulative	5	10	940 00
General Motors Corporation	\$5 Cumulative		100	13,000 00
Manufacturers Trust Co.	\$4 Cumulative		500	26,000 00
McKesson and Robbins, Inc.	" " " "		100	10,340 00
Metcalf and Co.	" " " "	4 3/4	1000	11,590 00
				10,673 50
				23,016 00
				8,347 50
				17,496 70
				10,750 00
				10,600 00
				950 00
				12,525 25
				26,028 00
				9,837 34
				10,300 00

Philip Morris and Co., Ltd., Inc.	50	5,450 00	5,000 00
Potomac Electric Power Co.	2	220 00	214 25
United Gas Corporation	50	5,750 00	5,430 12
		<u>158,280 00</u>	<u>151,366 66</u>

STOCKS—COMMON

Capital Transit Co.	27	810 00	2,835 00
Commonwealth Edison Co.	200	5,600 00	6,140 00
Continental Illinois National Bank and Trust Co.	120	11,880 00	7,531 25
Continental Oil Co. of Delaware	150	4,200 00	6,593 40
General Electric Co.	100	3,800 00	5,405 00
General Motors Corporation	400	24,800 00	21,619 25
Goodyear Tire and Rubber Co.	200	9,800 00	9,411 57
International Harvester Co.	200	16,000 00	17,181 75
International Nickel Co. of Canada, Ltd.	200	6,000 00	12,035 25
Kennecott Copper Corporation	300	9,600 00	18,227 50
Mergenthaler Linotype Co.	6	342 00	588 00
National City Bank of New York	39	1,482 00	3,517 04
Phelps Dodge Corporation	200	4,600 00	7,857 25
Socony-Vacuum Oil Co.	800	10,400 00	10,726 82
Standard Oil Co. of California	200	7,200 00	8,469 35
		<u>116,514 00</u>	<u>138,138 43</u>

TRUST NOTES RECEIVABLE

George Washington University Plant Funds (Schedule 7).			
Secured by lot 43, square 250	0	12-1-20	323,430 23
Snow, Chester A.—Secured by lot 77, square 162	4½	10-31-46	8,000 00
Wollberg, Ben.—Secured by lot 9, square 16	4	12-4-46	3,500 00
			<u>334,930 23</u>

REAL ESTATE

728 17th Street NW., lot 19, square 166—1/14 undivided interest.		2,857 14	2,857 14
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CASH

Special deposit	150 00		
Other	17,637 22	17,787 22	17,787 22
TOTALS		947,608 59	955,026 83

STOCKS—COMMON				
Commonwealth Edison Co.	440	12,320.00	12,050.00	
Continental Can Co.	31	1,271.00	2,375.38	
Continental Illinois National Bank and Trust Co.	120	11,880.00	7,531.25	
R. J. Reynolds Tobacco Co. Non Voting B.	100	3,500.00	5,112.50	
Southern Pacific Co.	50	1,450.00	1,525.00	
Standard Oil Co. of California.	100	3,600.00	3,327.50	
		<u>34,021.00</u>	<u>31,921.63</u>	
CASH		3,895.85	3,895.85	
TOTAL		<u>158,041.85</u>	<u>165,837.73</u>	

ASSETS OF ENDOWMENT FUNDS—CONTROLLED BY THE UNIVERSITY (Continued)

August 31, 1944

SCOTTISH RITE FUND

BONDS		DESCRIPTION		%	DUE	VALUE		
						PAR	MARKET	BOOK
American Gas and Electric Co.	Sinking Fund Debenture	3½	1960	8,000	8,560 00	8,484 00		
Atlantic Refining Co.	Debenture	3	1953	15,000	15,450 00	14,850 00		
Buffalo General Electric Co.	General and Refunding B.	4½	1981	10,000	11,100 00	10,436 00		
Central Illinois Light Co.	First and Consolidated Mortgage	3½	1966	25,000	27,500 00	26,028 00		
Cities Service Co.	Debenture	5	1950	25,000	25,750 00	22,065 95		
Cleveland Union Terminals Co.	First Mortgage Sinking Fund C.	4½	1977	25,000	23,750 00	24,437 50		
Columbia Gas and Electric Corporation	Debenture	5	1961	10,000	10,500 00	10,090 00		
Consumers Power Co.	First Mortgage	3½	1965	20,000	21,400 00	19,978 10		
Houston Lighting and Power Co.	"	3½	1966	10,000	10,800 00	10,423 00		
Lexington and Eastern Railway Co.	"	5	1965	12,000	15,240 00	13,204 00		
Liggett and Myers Tobacco Co.	Debenture	5	1951	3,000	3,600 00	3,217 00		
Nebraska Power Co.	First Mortgage	4½	1981	12,000	12,840 00	13,001 00		
New England Telephone & Telegraph Co.	First Mortgage A.	5	1952	15,000	17,400 00	15,608 00		
Northern Pacific Railway Co.	Prior Lien Railway and Land Grant	4	1997	25,000	25,250 00	27,102 00		
Oregon-Washington R. R. and Nav. Co.	First and Refunding Mortgage A.	4	1961	8,000	8,560 00	7,944 40		
Panhandle Eastern Pipe Line Co.	First Mortgage and First Lien B.	3	1960	20,000	20,800 00	20,316 00		

Pennsylvania Power and Light Co.		1 1/2	1969	15,000	16,500 00	15,685 00
Portland General Electric Co.	First Mortgage	4 1/2	1960	10,000	10,500 00	9,050 00
Protestant Episcopal Cathedral Foundation of D. C.	First and Refunding Mortgage	3 1/2	1951	10,000	10,000 00	10,043 00
Shawinigan Water and Power Co.	First Mortgage A	4 1/2	1967	5,000	5,250 00	3,562 50
Shawinigan Water and Power Co.	First Mortgage D	4 1/2	1970	5,000	5,250 00	3,562 50
Union Pacific Railroad Co.	First Mortgage R. R. & Land Grant	4	1947	5,000	5,350 00	5,034 00
United States of America	Treasury Bonds	2	1950-52	103,000	104,030 00	103,000 00
United States of America	"	2	1951-53	20,000	20,200 00	20,000 00
United States of America	Savings Bonds, Series G	2 1/2	10-1-53	50,000	47,800 00	50,000 00
United States of America	"	2 1/2	10-1-54	100,000	96,900 00	100,000 00
United States of America	"	2 1/2	1-1-55	100,000	96,900 00	100,000 00
United States of America	"	2 1/2	2-1-56	1,000	988 00	1,000 00
Virginia Electric and Power Co.	First and Refunding Mortg. B.	3 1/2	1968	8,000	8,800 00	8,221 00
Virginian Railway Co.	First and Refunding A	3 3/4	1966	25,000	27,000 00	25,590 00
Washington Gas Light Co.	General Mortgage	5	1960	4,000	5,120 00	4,753 00
Washington Railway and Electric Co.	Consolidated Mortgage	4	1951	10,000	10,500 00	10,466 00
West Shore Railroad Co.	Guaranteed First Mortgage	4	2361	14,000	8,820 00	12,355 00
					738,408 00	729,506 95
STOCKS—PREFERRED						
American Viscose Corporation	Cumulative	5		150	17,850 00	16,125 00
Federated Department Stores, Inc.	Convertible	4 1/4		100	10,100 00	9,895 00
Goodyear Tire and Rubber Co.	\$5 Cumulative Convertible			100	11,000 00	10,960 34
McKesson and Robbins, Inc.	\$4 Cumulative			100	10,400 00	9,860 25
North American Co.	Cumulative	5 3/4		180	9,720 00	8,767 20
Philip Morris and Co., Ltd., Inc.	"	4 1/4		150	16,350 00	15,000 00
Tide Water Associated Oil Co.	\$4.50 Cumulative Convertible			200	21,600 00	19,450 00
United Gas Corporation	\$7 Cumulative First			150	17,250 00	15,530 13
					114,270 00	105,587 92

ASSETS OF ENDOWMENT FUNDS—CONTROLLED BY THE UNIVERSITY (Continued)

August 31, 1944

SCOTTISH RITE FUND (Continued)

STOCKS—COMMON	VALUE		
	SHARES	MARKET	BOOK
Commonwealth Edison Co.....	800	22,400.00	21,995.00
Continental Oil Co. of Delaware.....	500	14,000.00	15,725.25
General Electric Co.....	400	15,200.00	17,210.00
Goodyear Tire and Rubber Co.....	200	9,800.00	9,649.34
International Nickel Co. of Canada, Ltd.....	300	9,000.00	13,032.50
Montgomery Ward and Co.....	600	30,600.00	25,077.25
Riggs National Bank.....	75	27,750.00	25,125.00
Standard Oil Co. of California.....	100	3,600.00	2,600.00
Union Carbide and Carbon Corporation.....	300	23,700.00	25,122.50
		<u>156,050.00</u>	<u>155,536.84</u>
TRUST NOTE RECEIVABLE			
District Automotive Supply Co.—Secured by lots 800-801-840, square 75, at 2100 Pennsylvania Avenue NW. Interest $4\frac{1}{2}\%$. Due \$750 11-30-44, \$750 5-30-45, \$47,000 11-30-45		48,500.00	48,500.00
CASH.....		<u>2,956.82</u>	<u>2,956.82</u>
		<u>1,060,184.82</u>	
TOTAL } Scottish Rite Fund Assets.....			1,000,000.00
Assets of: Reserve for Protection of Scottish Rite Fund Investments.....			42,088.53
			<u>1,042,088.53</u>

SUMMARY OF ASSETS OF ENDOWMENT FUNDS—CONTROLLED BY THE UNIVERSITY

Funds	Total Assets	Cash	Investments					Trust Notes	Real Estate
			Total	Bonds	Stocks				
					Preferred	Common			
Carr.	50,294.91	33.80	50,261.11	22,852.00	2,385.00	25,024.11			
Consolidated	955,026.83	17,787.22	937,239.61	309,947.15	151,366.66	138,138.43			
Depew	165,837.73	3,895.85	161,941.88	68,502.25	61,518.00	31,921.63	334,930.23	2,857.14	
Scottish Rite	1,042,088.53	2,956.82	1,039,131.71	729,506.95	105,587.92	155,536.84	48,500.00		
TOTAL—EXHIBIT A	2,213,248.00	24,673.69	2,188,574.31	1,130,808.35	320,857.58	350,621.01	383,430.23	2,857.14	

ASSETS OF ENDOWMENT FUNDS—CONTROLLED BY OTHER TRUSTEES

August 31, 1944

ANDREWS SCHOLARSHIP FUND

BOND	DESCRIPTION	%	DUE	VALUE	
				PAR	BOOK
New York Edison Co.	First and Refunding Mortgage E.	3¼	1966	2,000	1,985.00
TRUST NOTE RECEIVABLE					
Elmer W. Brandes	Secured by lot 25, square 1938	4	7-16-47		3,000.00
CASH					15.00
TOTALS (American Security and Trust Co., Trustee)				5,185.00	5,000.00

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HARVEY SCHOLARSHIP FUND

BONDS					
United States of America	Treasury Bonds	2½	1965-70	4,500	4,518.28
CASH					460.25
TOTALS (Washington Loan and Trust Co., Trustee)					4,978.53

4,500.00

460.25

4,978.53

4,960.25

SHARPE MEDICAL SCHOOL FUND

BONDS

Duquesne Light Co.....	First Mortgage.....	3½ 1965	1,000	1,080.00	1,104.03
Federal Land Banks	Consolidated Farm Loan.....	3¼ 1945-55	3,000	3,058.12	3,060.00
Illinois Bell Telephone Co.....	First Mortgage A.....	2¾ 1981	1,000	1,027.50	1,022.78
United States of America	Treasury Bonds.....	2½ 1964-69	1,000	1,002.00	1,001.63
United States of America	"	2¾ 1955-60	2,000	2,338.12	1,726.35
				8,505.74	7,914.79
CASH.....				85.22	85.22
TOTALS (National Savings and Trust Co., Trustee)				8,590.96	8,000.01

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SPENCER SCHOLARSHIP FUND

BONDS

United States of America	Treasury Bonds.....	2¼ 1952-55	2,400	2,451.75	2,423.25
United States of America	Savings Bond, Series G.....	2½ 5-1-54	5,000	4,810.00	5,000.00
				7,261.75	7,423.25
CASH.....				10.95	10.95
TOTALS (The Northern Trust Co., Chicago, Trustee)				7,272.70	7,434.20

ASSETS OF ENDOWMENT FUNDS—CONTROLLED BY OTHER TRUSTEES (Continued)
August 31, 1944

SANDERS FELLOWSHIP FUND

	DESCRIPTION	%	DUE	VALUE	
				MARKET	BOOK
BONDS	Baltimore and Ohio Railroad Co. First Mortgage	4	1948	10,000	9,075 00
	Cons. Gas Elec. Light & Power Co. of Baltimore, First Refunding Q.	2½	1976	1,000	1,027 50
	Federal Land Banks Consolidated Farm Loan	3	1945-55	4,500	4,598 43
	Federal Land Banks	3	1946-56	4,000	4,143 75
	La Salle Apartment, Inc.	3½	1945-55	5,000	4,028 75
	Potomac Electric Power Co. Debenture (and 300 sh. Com. Stock)	6	1960	5,000	5,096 87
	United States of America First Mortgage	3½	1966	3,000	3,500 00
	United States of America Treasury Bonds	2½	1956-59	3,500	3,270 00
	United States of America Treasury Bonds	2½	1967-72	2,100	3,521 87
	United States of America Savings Bonds, Series G	2½	5-1-53	15,000	2,111 15
				50,409 57	2,114 28
					15,000 00
STOCKS—PREFERRED		SHARES			53,201 75
	United States Steel Corporation	100		12,875 00	14,537 50
	Washington Railway and Electric Co.	100		11,850 00	10,212 50
				24,725 00	24,750 00
STOCKS—COMMON					
	United States Steel Corporation	280		16,345 00	42,595 00
TRUST NOTES RECEIVABLE	Bohys, Maurice P., Serene, and Minna. Secured by lot 803, square 2801. Due \$1,000 10-1-45 and quarterly thereafter.	4	Quarterly	11,200 00	11,200 00
	Brownley Trust. Secured by lots 23, 821, square 254.	3½	5-16-45	25,000 00	25,000 00
	District National Securities Corporation—Secured by lot 128, square 177. Due \$750 or more quarterly				
	Martintique Hotel Co.—Secured by lot 175, square 70.	4	1-7-46	9,000 00	9,000 00
	McIntire, John A. and Elsie W. Secured by lot 12, block 17, section 1, Montgomery County, Md. Due \$75 or more per month including interest.	5	10-2-44	10,000 00	10,000 00
	Richmond, Stoughton J. and Edith J.—Secured by lot 1, block 3, section 1, Montgomery County, Md. Due \$53 or more per month including interest.	4½	Monthly	7,563 51	7,563 51
	Worsh, Ida M., Paulina H., Cash, and Hugo. Secured by lot 800, square 2043. Due \$250 quarterly.	4	8-18-57	7,720 97	7,720 97
				4,500 00	4,500 00
				74,984 48	74,984 48

Real Estate

Washington, D. C.—1731 11th Street NW, lot 808, square 335.
2144 P Street NW, lot 813, square 68.

	Assessed Value	
2,450.00	2,450.00	2,450.00
7,902.00	7,902.00	7,902.00
CASH.....	10,352.00	10,352.00
TOTALS (National Savings and Trust Co., Trustee).....	271.52	271.52
	177,287.57	206,154.75

SUMMARY OF ASSETS OF ENDOWMENT FUNDS—CONTROLLED BY OTHER TRUSTEES

Funds	Total Assets	Cash	Investments					Real Estate
			Total	Bonds	Stocks		Trust Notes	
					Preferred	Common		
Andrews.....	5,000.00	15.00	4,985.00	1,985.00			3,000.00	
Harvey.....	4,960.25	460.25	4,500.00	4,500.00				
Sanders.....	206,154.75	271.52	205,883.23	53,201.75	24,750.00	42,595.00	74,984.48	10,352.00
Sharpe.....	8,000.01	85.22	7,914.79	7,914.79				
Spencer.....	7,434.20	10.95	7,423.25	7,423.25				
TOTALS—EXHIBIT A.....	231,549.21	842.94	230,706.27	75,024.79	24,750.00	42,595.00	77,984.48	10,352.00

ASSETS OF PLANT FUNDS—UNEXPENDED

August 31, 1944

CONSOLIDATED PLANT FUNDS

	DESCRIPTION	C%	DUE	VALUE		
				PAR	MARKET	BOOK
BONDS						
American Telephone and Telegraph Co.	Convertible Debenture.	3	1956	5,000	6,100 00	5,422 00
United States of America	Savings Bonds, Series G	2 1/2	11-1-54	3,000	2,907 00	3,000 00
United States of America	" " "	2 1/2	9-1-55	10,000	9,880 00	10,000 00
United States of America	" " "	2 1/2	10-1-55	3,000	2,964 00	3,000 00
United States of America	" " Series D	2.9	1-1-50	10,000	8,300 00	8,300 00
STOCKS—COMMON						
Commonwealth and Southern Corporation				SHARES		
CASH				25	25 00	28.13
					2,227.80	2,227.80
TOTALS					32,403.80	31,977.93

GEORGE WASHINGTON MEMORIAL FUND

				PAR		
BOND						
United States of America	Savings Bond, Series D	2.9	1-1-50	10,000	8,300 00	8,300 00
CASH					23,862.63	23,862.63
TOTALS					32,162.63	32,162.63

PAIRO FUND

STOCKS—COMMON

	SHARES	
American Security and Trust Co.	20	4,760 00
Capital Transit Co.	200	6,000 00
Mergenthaler Linotype Co.	150	8,550 00
National Bank of Washington	100	11,500 00
National City Bank of New York	61	2,318 00
Pennroad Corporation	100	1,600 00
Riggs National Bank	39	14,430 00
Union Trust Co. of D. C.	100	10,400 00
		58,558 00
		119,924.25

TRUST NOTES RECEIVABLE

	%	DUE
Hunterford, William C. and Lillian E.—Secured by tract in Germantown, Md.	6	318 03
Due \$20 per month including interest	5½	1,438 76
Woodson, H. D.—Secured by lot 159, square 1026.		1,756 79
		5,270 67
CASH		126,951 71
TOTALS		65,585 46

SUMMARY OF ASSETS OF PLANT FUNDS—UNEXPENDED

Funds	Total Assets	Cash	Investments		
			Total	Bonds	Common Stocks
Consolidated Plant Funds	31,977.93	2,227.80	29,750.13	29,722.00	28.13
George Washington Memorial Fund	32,162.63	23,862.63	8,300.00	8,300.00	
Pairo Fund	126,951.71	5,270.67	121,681.04		119,924.25
TOTAL—EXHIBIT A	191,092.27	31,361.10	159,731.17	38,022.00	1,756.79

LAND AND BUILDINGS—INVESTED IN PLANT

For the Year Ended August 31, 1944

Building or Location	Subject to Trust Note Payable	Lot	Square	Year Acquired or Erected	Balance August 31, 1943	Additions	Balance August 31, 1944
Biological Sciences Building	A	45	102	1914-35	151,129.97		151,129.97
Corcoran Hall	B	43	102	1919-24	327,481.92		327,481.92
Field House Site		(5-13-15-17-19 24-25-26-27-28 800-801-802 805 thru 821 823-828-829 830-834-836 838-839-842 825-826 47-800-801 A-B-17-46-52 820 thru 827 829 thru 833 833 815-816-817 43 24-25-28-29-30 31-32-800-801 805 35 834-835 44 19-20-818-819	56 102 79	1936-43 1924-25 1918-38	198,910.00 58,331.44 239,035.63	39,750.00	238,660.00 58,331.44 239,035.63
Gymnasium	A						
Hall of Government							
Lisner Auditorium			79	1929-40	775,207.57	27,882.91	803,090.48
Lisner Hall	A		102	1912-39	372,230.19		372,230.19
Mechanical Laboratory			102	1923-30	57,583.87		57,583.87
School of Medicine and Hospital	C		250	1882-1932	974,851.00	20,424.13	995,275.13
Social Sciences Building	A		102	1922-36	269,279.60		269,279.60
Sorority Hall—2129 G Street, NW			79	1936	36,989.72		36,989.72
Sorority Hall—802 21st Street, NW			77	1938	13,000.00		13,000.00
Staughton Hall			79	1941	51,600.00		51,600.00
Stockton Hall	D		102	1920-25	279,325.93		279,325.93
Strong Hall			80	1925-36	247,186.90		247,186.90

G Street NW	2003	27	102	1936	11,700.00
"	2024	16	103	1922	14,955.00
"	2026	15	103	1929	15,074.96
"	2033	805-806	102	1922	32,500.00
"	2106	817	80	1937	19,000.00
"	2109	802	79	1938	55,646.21
"	2111-17	4-803	79	1938	60,000.00
"	2121	804	79	1939	10,146.50
"	2131	8	79	1935	25,500.00
"	2135	807	79	1943	500.00
H Street NW	2011	806	101	1943	13,500.00
"	2014	824	102	1922	13,000.00
"	2016	823	102	1929	5,250.00
"	2018	822	102	1933	14,000.00
"	2018½	821	102	1933	14,250.00
"	2019 rear	53	101	1943	11,750.00
"	2020-22	819-820	102	1928	8,428.78
"	2024	818	102	1924	31,066.71
"	2026	829	103	1925	12,000.00
"	2027	813	101	1941	10,200.00
"	2037	817	101	1940	11,000.00
"	2113	816	77	1940	23,500.00
"	2126-28-30	27-28-816-817	79	1944	12,500.00
"	2142	D	79	1935	40,000.00
"	2142½	815	79	1940	1,500.00
"	2300	817	42	1942	3,000.00
"	2308	840	101	1942	10,750.00
I Street NW	2038				10,000.00

LAND AND BUILDINGS—INVESTED IN PLANT (Continued)

For the Year Ended August 31, 1944

Building or Location	Subject to Trust Note Payable	Lot	Square	Year Acquired or Erected	Balance August 31, 1943	Additions	Balance August 31, 1944
20th Street NW—700.		26	102	1931	17,500 00		17,500 00
" " 712.	A	42	102	1929	14,240 00		14,240 00
" " 714.	A	41	102	1930	14,500 00		14,500 00
" " 716.	A	40	102	1929	13,500 00		13,500 00
" " 718.		828-830	102	1929	20,000 00		20,000 00
21st Street NW—606-608.		21-22	80	1935	12,500 00		12,500 00
" " 713.	A	807	102	1931	12,000 00		12,000 00
" " 714.		46	79	1931	40,000 00		40,000 00
" " 715.	A	808	102	1929	12,000 00		12,000 00
" " 716.	A	830-831	79	1933	8,885 00		8,885 00
" " 718.		829	79	1939	16,422 00		16,422 00
" " 810.		31	77	1938	9,000 00		9,000 00
" " 814 (deposit).		840	77	1944		500 00	500 00
22nd Street NW—715.		24	79	1939	8,190 00		8,190 00
" " 717.		25	79	1940	10,143 00		10,143 00
" " 725.		812-813	79	1938	8,750 00		8,750 00
" " 727.		814	79	1937	4,750 00		4,750 00
23rd Street NW—706.		827	42	1942	3,675 00		3,675 00
" " 716.		825	42	1944		7,425 00	7,425 00
" " 734.		819	42	1942	4,500 00		4,500 00
" " 736.		818	42	1942	3,000 00		3,000 00
TOTAL—Exhibit A					4,701,488.12	170,910.82	4,872,398.94

TRUST NOTES PAYABLE

SECURED BY
LAND AND
BUILDINGS

	PAYEE AND DATE DUE	INTEREST RATE	PRINCIPAL
A	RIGGS NATIONAL BANK \$6,250 due September 23 and quarterly thereafter until September 23, 1946, when the remaining balance is due.....	4½%	126,250.00
B	WASHINGTON LOAN AND TRUST Co. Due December 14, 1944.....	4%	192,000.00
C	GEORGE WASHINGTON UNIVERSITY ENDOWMENT FUNDS (Schedule 4—Page 2) Due December 1, 1920.....	0	323,430.23
D	AMERICAN SECURITY AND TRUST Co. Due \$5,000 December 17, 1944; \$115,000 December 17, 1945.....	4%	120,000.00
E	JAMES D. WORTHINGTON Due on or before March 28, 1947.....	4%	25,000.00
TOTAL—EXHIBIT A.....			786,680.23

EQUIPMENT—INVESTED IN PLANT **For the Year Ended August 31, 1944**

	BALANCE AUGUST 31, 1943	ADDITIONS 1943-44	BALANCE AUGUST 31, 1944
Administration.....	57,070.35	3,334.48	60,404.83
Arts and Sciences.....	86,353.02	1,319.40	87,672.42
Duplicating Bureau.....	1,774.50		1,774.50
Engineering, Science, and Management War Training [*]	12,011.07	1,772.96	13,784.03
Gymnasium.....	2,725.07	72.80	2,797.87
Hospital.....	45,512.82		45,512.82
Law School.....	1,739.63		1,739.63
Library Books.....			
Arts and Sciences.....	68,724.13	4,125.30	72,849.43
Law School.....	53,957.10	3,500.88	57,457.98
School of Medicine.....	13,375.61	742.81	14,118.42
School of Pharmacy.....	1,774.81	55.74	1,830.55
Lisner Auditorium.....	64,947.55	19,036.44	83,983.99
Lisner Hall.....	24,395.46	72.16	24,467.62
Mechanical Laboratory.....	20,896.21	344.41	21,240.62
School of Medicine.....	54,230.70	1,839.92	56,090.62
School of Pharmacy.....	6,222.55	85.40	6,307.95
Staughton Hall Dormitory.....	6,124.17	3,414.30	9,538.47
Strong Hall.....	18,117.63		18,117.63
Student Club.....	6,947.14	357.00	7,304.14
	<u>546,919.52</u>	<u>40,074.00</u>	<u>586,993.52</u>
TOTAL—EXHIBIT A.....			

* Title is held by the University subject to disposal of the equipment by the Director of Engineering, Science, and Management War Training.

CURRENT FUNDS RESTRICTED—UNEXPENDED

For the Year Ended August 31, 1944

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UNIVERSITY FUNDS	Balance August 31, 1943	Receipts	Disbursements	Balance August 31, 1944 Exhibit C
MISCELLANEOUS	3.18	400.00		3.18
Administrative Reserve Fund				400.00
American Foundation, Pharm. Ed. Schol. Fund	208.03	1,100.00	Fellowships	708.03
Drs. Freeman and Watts—Fellowships	336.00	224.00		560.00
Harryman Dorsey—Scholarships				
Hospital				
Amity Relief Club	77.10		To Schedule 1	75.12
Mrs. Hattie M. Strong	459.72		To Schedule 1	459.72
General Edwin M. Watson	10.00			10.00
Plasma Bank Deposits	137.63	388.00	Expenses	478.08
Women's Board	27.50		To Schedule 1	27.50
Insurance Square Club Fund	100.00			100.00
Kellogg Medical Technology Scholarship Fund	2,000.00		Scholarships	1,550.00
Key Deposits	274.75	106.25	Refunds	268.00
Kimmel Hospital Fund	3,071.70			3,071.70
Library Books				
Council of Religious Organizations		536.10	Library Books	504.83
Hellenic Society		35.00		35.00
Henry F. Butler		50.00		50.00
Harry C. Davis		25.00		25.00
Society of Sigma Xi		36.75		36.75
Women's Auxiliary, D. C. Pharm. Ass'n	56.66		To Schedule 1	92
Plumbing and Heating Institute	310.71			310.71
Ronald A. Cox Fund		100.00		100.00
United Airlines Scholarship Fund		300.00	Scholarships	106.00
University Press—"The Supreme Court"	82.94			82.94
	7,155.92	3,301.10		8,476.26

SCHEDULE 9—PAGE 1

CURRENT FUNDS RESTRICTED—UNEXPENDED (Continued)
For the Year Ended August 31, 1944

UNIVERSITY FUNDS (Continued)	Balance August 31, 1943	Receipts	DISBURSEMENTS			Balance August 31, 1944 Exhibit C
			Salaries	Other Expense	Total Schedules 1 and 2	
ORGANIZED RESEARCH						
School of Medicine						
Baxter Laboratories	490.13	4,800.00	3,753.95	283.82	4,037.77	1,252.36
Cardiology Fund	603.19	2,700.00	1,942.49	616.21	1,558.70	1,744.49
Cecilia Cummings Fund	2,542.14	1,200.00	300.00		300.00	3,442.14
Difco Laboratories	181.05		18.00	163.05	181.05	
Food and Drug Administration		1,212.00	900.00		1,212.00	
Hutchins, Helen F. Fund	35.50	1,200.00		103.95	103.95	111.55
Johnson and Johnson Surgery Fund		1,800.00	490.00		490.00	1,310.00
Lederle Laboratories	4,812.62	10,000.00	7,347.44	429.65	7,777.09	7,035.53
Mothers' Health Clinic	15.30	497.82	125.00	388.12	513.12	
Sandoz Chemical Co.	138.85	600.00		177.89	177.89	560.96
School of Pharmacy						
Allied Chemical and Dye Corporation		4,700.00	750.00	120.22	870.22	3,829.78
American Cyanamid and Chemical Co.		5,000.00				5,000.00
Certified Products, Inc.	150.89	1,000.00		148.84	148.84	1,002.05
Centauro Co., Chattanooga Medicine Co.	219.08	2,950.00	2,800.00	319.89	3,119.89	39.19
Lederle Laboratories		300.00	300.00		300.00	
Proprietary Association	21.28	6,450.00	5,800.00	646.67	6,446.67	26.61
Riedel de Haen, Inc.	60.53			53.81	53.81	6.72
United States Government						
Navy Department						
NORD—496		3,119.91	638.10	2,481.81	3,119.91	
Office for Emergency Management						
Office of Scientific Res. and Development						
OEMR—273	10,527.33	1,489,380.86	516,736.29	742,491.56	1,259,227.85	240,680.34
OEMR—1356		11,884.31	4,894.09	6,990.22	11,884.31	
Quartermaster Corps						
W44—109—qm—329		1,403.20	830.00	573.20	1,403.20	
War Department						
W—49—079—AST(S.C.MDW)—1, 2, 3		9,539.03	7,129.24	2,409.79	9,539.03	
War Production Board						
WPB—151		600.00	211.31	388.69	600.00	
	19,799.89	1,559,337.13	553,965.91	759,099.39	1,313,065.30	266,071.72

Agency Funds	Balance August 31, 1943	Deposits	Withdrawals	Balance August 31, 1944 Exhibit C
American Association of University Professors.....	38.94	1.19		24.13
Engineers' Club Room Fund.....	193.93		16.00	192.93
Engineers' Library Fund.....	45.00			45.00
Gate and Key Fraternity.....		79.27		79.27
G. W. U. Flower Fund.....	17.00	14.00	30.08	79.27
Homecoming Celebration.....		144.82		144.82
Order of Artus.....	15.41	71.50		86.91
Office of Scientific Research and Development				
Pinto, W. Va.—Bus Fares.....		716.80		716.80
" Safety Shoes.....		396.84		396.84
" Sale of Hay.....		300.00		300.00
Phi Beta Kappa Fraternity.....	74.65	153.54	153.30	74.89
Phi Eta Sigma Fraternity.....	27.85	60.00	55.34	32.51
Pi Gamma Mu Fraternity.....	21.71	308.78	281.00	49.49
Student Veterans Club.....		39.00	29.00	10.00
Swisher History Club.....	120.75			120.75
	561.24	2,285.74	564.72	2,282.26

CURRENT FUNDS RESTRICTED—UNEXPENDED (Continued)

For the Year Ended August 31, 1944

INCOME OF ENDOWMENT AND PLANT FUNDS

Funds	Balance August 31, 1943	Net Income for Year	Disposition			Balance August 31, 1944 Exhibit C
			Current Operations	Added to Principal	Transfers	
ENDOWMENT FUNDS (Schedule 11)						
UNRESTRICTED						
Acker.....		10.86	10.86			
Alumni Endowment.....		21.06	21.06			
Campaign 1923-24.....		6,764.48	6,764.48			
Corcoran.....		7,975.49	7,975.49			
Haggett.....		36.23	36.23			
King, W. B.....		705.18	705.18			
Subscription Gifts 1945-51.....		453.78	453.78			
Syms.....		54.35	54.35			
Trustees.....		49.68	49.68			
Withers.....		974.25	974.25	49.68		
			16,995.68			
SCHEDULE 1.						
RESTRICTED						
Fellowship						
Sanders.....	3,223.78	7,465.94	8,858.00			1,831.72
Professorship						
Alumni Professorship.....		30.05	30.05			
Carroll.....	156.82	18.12				
Congressional.....		5,749.87	5,749.87			174.94
Depew.....		6,702.50	6,000.00			
Elton.....		525.62	525.62	702.50		
Yulee.....	2,614.02	181.15				
School						
Government						
Scottish Rite.....		36,148.53	36,148.53			2,795.17
Medical						
Borden.....		96.44		96.44		
Cooper.....		362.29				
Gardner.....	4,276.77	162.54	162.54			
Lewis.....		242.26	242.26			
School of Medicine Fund.....		1,000.00	1,000.00			4,639.06
Sharpe.....		165.96	165.96			
Pharmacy		241.80	241.80			
Gibbs.....		362.29	362.29			

Miscellaneous	268.86			
Art and Archaeology	2,623.82			
D. C. - D. A. K. Fund (see Schedule 10)	148.54			
Graduate Library Fund	23.18			
Howard Library Fund	217.61			
Meyer Library Fund				
Swisher Alcott Book Fund				
	212.63	56.23	181.15	
	2,239.00	189.15		
		394.82		
		148.54		
		23.18		
	145.15	72.46		
SCHEDULE 1		58,486.92		
Hospital				
Chapman		44.41		
General		24.82		
Kuitbank		34.56	34.56	
National Park Seminary		18.12		
Reinhardt		18.12		
		362.29		
Tree		36.23		
Women's Board*		362.29		36.23
Woodbury				
		830.05		
SCHEDULE 1				
Non Educational				
Prize				
Burns	38.60	36.23		44.83
Cowles	13.12	72.46		45.58
Croissant	32.53	36.23		38.76
Cutter	67.09	36.23		68.32
Davis	149.31	23.18		175.32
Evans	305.24	40.00		23.21
Fitch	149.31	40.00		301.47
Goddard	96.93	40.00		209.25
Hubbard	125.75	140.00		103.18
Larner	111.75	26.50		137.83
Ordonaux	21.28	115.50		177.90
Ruggles	36.28			39.40
Staughton-Elton	59.78			54.40
Sterrett	17.57			70.64
Swisher	17.44			178.87
Walt	275.33			173.67
Weddell		150.00		306.48
PRIZES AWARDED		656.50		

CURRENT FUNDS RESTRICTED—UNEXPENDED (Continued)
For the Year Ended August 31, 1944
INCOME OF ENDOWMENT AND PLANT FUNDS

Funds	Balance August 31, 1943	Net Income for Year	Disposition			Balance August 31, 1944 Exhibit C
			Current Operations	Added to Principal	Transfers	
ENDOWMENT FUNDS (Continued)						
RESTRICTED (Continued)						
Non Educational (Continued)						
Scholarship						
Andrews.....	568.66	189.99	300.00			458.65
Carr.....	2,604.64	1,591.58	960.00			3,236.22
Carter, H. H.....	362.87	181.15				544.02
Carter, M. M.....	72.57	36.23				108.80
Columbian Women Funds						
Brown.....	47.00	43.48	47.00			43.48
Chamberlin.....	90.10	83.33	90.10			83.33
College Women's.....	19.58	18.12	19.58			18.12
Founders of Columbian Women.....	195.87	181.15	195.87			181.15
Herron.....	195.87	181.15	195.87			181.15
Knapp.....	195.87	181.15	195.87			181.15
Wilson.....	39.17	36.23	39.17			36.23
Davis.....	47.75	36.23	15.00			68.98
Farnham.....	72.57	36.23				108.80
Harvey.....	507.80	111.55	200.00			419.35
Kendall.....	251.19	215.91	251.19			215.91
King, Isabella Osborn.....	27,299.58	1,429.50				28,729.08
Morchouse.....	108.86	54.35				163.21
Powell.....	7,789.30	1,511.90				9,301.20
Spencer.....	860.49	129.00	120.00			869.49
Stone.....	176.54	72.46	60.00			189.00
Swisher.....	543.87	271.72				815.59
Walker.....	181.43	90.57				272.00
Withington.....	106.44	70.76				147.20
Woodhull.....	49.75	21.74	30.00			71.49
Endowment net income.....		86,054.04				
Scholarships awarded.....			2,719.65			

PLANT FUNDS (Schedule 12)

PLANT ADDITIONS

Class of 1929 Women's Unit No. 3.....	17.78	17.78	.....	17.78
General Building.....	12.54	12.54	.....	12.54
George Washington Memorial.....	1,231.31	1,231.31	.....	1,231.31
Ohio Section of The George Washington Memorial Association.....	69.33	69.33	.....	69.33
Patrol.....	1,683.54	3,597.94	5,281.48	126.84
Schwab.....	.....	126.84	.....	78.53
Student Union Furnishings.....	.....	78.53	.....	141.78
Women's Activities Building.....	.....	141.78	.....	.....
SCHEDULE 1.....	.....	5,281.48	.....	.....
RETIREMENT OF INDEBTEDNESS	.....	.....	.....	930.14
Reserve for Reduction of the Note Payable of Current and Plant Funds to Consolidated Endowment Funds Principal.....	.....	930.14	.....	.....
SCHEDULE 1.....	58,554.40	92,260.23	84,970.28	36.23
				61,135.54

* Income transferred to The Women's Board of The George Washington University Hospital.
 † \$2,719.65 expended for Scholarships is included in "Student Fees," Schedule 1.
 ‡ Income used for Athletics.

CHANGES IN PRINCIPAL OF LOAN FUNDS

For the Year Ended August 31, 1944

FUNDS (Description on page 72)	Balance August 31, 1943	Increases			Decreases	Balance August 31, 1944
		Income of D.C.—D.A.R. Endowment Fund	Gifts (Refer to Page 71)	Interest on Loans		
D.C.—D.A.R. Loan Fund.....	1,673.50	181.15		41.78		1,896.43
George Washington Law Association Loan Fund.....	377.00		191.00			568.00
Home Economics Loan Fund.....	118.00		35.00			153.00
Kellogg Medical School Loan Fund.....	15,000.00			43.48		15,043.48
Kellogg Medical Technology Loan Fund.....	2,000.00					2,000.00
Student Loan Fund.....	8,014.82			21.68		8,036.50
Sutherland Medical School Loan Fund.....	1,175.00					1,175.00
War Loan Fund.....	17,782.66				1,791.92	15,990.74
TOTALS—EXHIBIT D.....	46,140.98	181.15	226.00	106.94	1,791.92	44,863.15

SCHEDULE 10

CHANGES IN PRINCIPAL OF ENDOWMENT FUNDS
For the Year Ended August 31, 1944

ENDOWMENT FUNDS (Description on pages 73-79)	Balance August 31, 1943	INCREASES			DECREASES		Balance August 31, 1944
		Gifts (Page 71)	Investment Income	Gain on Sale of Investments	Loss on Sale of Investments		
UNRESTRICTED							
Acker.....	300.00						300.00
Alumni Endowment.....	581.20						581.20
Campaign, 1923-24.....	186,714.38	25.00					186,739.38
Corcoran.....	220,155.76						220,155.76
Haggett.....	1,000.00						1,000.00
King, W. B.....	19,464.69						19,464.69
Subscription Gifts, 1845-51.....	12,525.56						12,525.56
Syma.....	1,500.00						1,500.00
Trustees.....	1,371.22		49.68				1,420.90
Withers.....	26,891.46						26,891.46
RESTRICTED							
Fellowship							
Sanders.....	206,162.76				8.01		206,154.75
Professorship							
Alumni Professorship.....	829.49						829.49
Carroll.....	500.00						500.00
Congressional.....	158,709.04						158,709.04
Depew.....	165,135.23		702.50				165,837.73
Elton.....	14,508.19						14,508.19
Yulee.....	5,000.00						5,000.00
School							
Government							
Scottish Rite.....	1,000,000.00						1,000,000.00
Medical							
Borden.....	2,661.82		96.44				2,758.26
Cooper.....	10,000.00						10,000.00
Gardner.....	4,486.55						4,486.55
Lewis.....	106,000.00		1,000.00		74,701.40		32,298.60
School of Medicine Fund.....	4,320.00	500.00					4,820.00
Sharpe.....	8,000.01						8,000.01
Pharmacy							
Gibbs.....	10,000.00						10,000.00
Miscellaneous							
Art and Archaeology.....	1,000.00						1,000.00
D.C.—D.A.R.....	5,000.00						5,000.00
Graduate.....	10,481.57	558.00					11,039.57
Howard Library Fund.....		5,000.00					5,000.00
Meyer Library Fund.....		1,000.00					1,000.00
Switzer Alumni Book Fund.....	2,000.00						2,000.00

	1,470.00	1,000.00	34.56	1,000.00	1,883.18	8,118.76	2,436,888.62
Prize							
Burns.....	1,000.00						
Cowles.....	2,000.00						
Croissant.....	1,000.00						
Cutter.....	1,000.00						
Davis.....	700.00						
Evans.....	1,100.00						
Fitch.....	1,000.00						
Goddard.....	5,519.00						
Hubbard.....	1,000.00						
Larner.....	1,000.00						
Ordronaux.....	5,000.00						
Ruggles.....	500.00						
Staughton-Elton.....	500.00						
Sterrett.....	100.00						
Swisher.....	1,000.00						
Walah.....	1,000.00						
Weddell.....	5,000.00						
Scholarship							
Andrews.....	5,000.00						
Carr.....	50,260.61		34.30				
Carter, H. H.....	5,000.00						
Carter, M. M.....	1,000.00						
Columbian Women Funds							
Brown.....	1,200.00						
Chamberlin.....	2,300.00						
College Women's.....	5,000.00						
Founders of Columbian Women.....	5,000.00						
Herron.....	5,000.00						
Knapp.....	5,000.00						
Wilson.....	1,000.00						
Davis.....	1,000.00						
Farnham.....	1,000.00						
Harvey.....	5,000.00						
Kendall.....	5,959.61			39.75			
King, Isabella Osborn.....	39,457.56						
Morchouse.....	1,500.00						
Powell.....	41,731.90						
Spencer.....	2,434.20						
Stone.....	2,000.00						
Swisher.....	7,529.55						
Walker.....	2,500.00			35.76			
Withington.....	1,953.13						
Woodhull.....	600.00						
TOTALS—EXHIBIT E.	2,436,888.62	8,118.76	1,883.18	34.30	74,749.16	2,372,175.70	SCHEDULE II—Page 1

CHANGES IN PRINCIPAL OF ENDOWMENT FUNDS (Continued)

For the Year Ended August 31, 1944

RESERVE FOR PROTECTION OF INVESTMENTS (Description on Page 72)	Balance August 31, 1943	Increases	Decreases	Explanation	Balance August 31, 1944
Consolidated Endowment Funds.....	38,724.26	3,631.38	11,822.66	10% of Consolidated Endowment Funds net income.	30,532.98
Scottish Rite Fund.....	44,073.70		1,985.17	Net loss on sale of investments.....	42,088.53
TOTAL—EXHIBIT E.....	82,797.96	3,631.38	13,807.83	TOTAL—EXHIBIT E.....	72,621.51

SCHEDULE 11—PAGE 2

CHANGES IN PRINCIPAL OF PLANT FUNDS—UNEXPENDED

For the Year Ended August 31, 1944

Funds (Description on Page 80)	Balance August 31, 1943	Increases	Decreases	Explanation	Balance August 31, 1944
PLANT APPROPRIATIONS					
Class of 1929 Women's Unit No. 3.....	330.36	17.78 A		Income.....	348.14
Duplicating Bureau Equipment.....	2,780.42		2,780.42 A	To Exhibit B.	
General Building.....	233.02	32.54 A		Income.....	270.56
George Washington Memorial.....	91,121.52	35.80 B		Gift.....	
".....		1,231.31 A		Income.....	
".....		38.71 C		Gain on sale of investments.	
".....			19,036.44 B	Auditorium equipment.....	
".....			27,882.91 C	Auditorium maintenance.	
".....			13,309.56 A		32,162.63

State Section of the George Washington Memorial Association	1,288.49	69.11 A	19,750.00 C	Income	1,357.82
Piano	187,610.02		20,678.11 D	Net loss on sale of investments	126,951.71
			250.00 E	To Exhibit B	2,484.12
Schwab	2,357.28	126.84 A		Income	1,538.06
Student Union Furnishings	1,459.53	78.53 A		Income	3,032.21
Women's Activities Building	2,340.99	141.78 A		Gifts	168,145.25
		549.44 B		TOTAL—EXHIBIT F	
TOTALS—EXHIBIT F	289,541.63	2,291.26	123,687.64		
RETIREMENT OF DEBT					
Reserve for Reduction of the Note Payable					
of Current and Plant Funds to Consoli-					
dated Endowment Funds Principal					
(Schedule 7)	17,287.36	930.14		Income	19,458.34
		1,240.84		Transferred from Surplus (Exhibit B)	
TOTALS—EXHIBIT F	17,287.36	2,170.98		TOTAL—EXHIBIT F	19,458.34
RESERVE FOR PROTECTION					
OF INVESTMENTS—EXHIBIT F	2,973.34	515.34		Gain on sale of investments	3,488.68

RECAPITULATION OF CHANGES IN PRINCIPAL OF FUNDS FOR PLANT ADDITIONS

Increases		Decreases	
A Investment Income.....	1,678.11	A Transferred to Exhibit B.....	2,780.42
			13,109.56
B Gifts.....	574.44	B Equipment—Invested in Plant.....	19,036.44
		C Land and Buildings—Invested in Plant.....	27,882.91
C Gain on sale of investments.....	38.71		39,750.00
		D Net loss on sale of investments.....	20,678.31
		E Transferred to Exhibit B.....	250.00
TOTAL—EXHIBIT F.....	2,291.26	TOTAL—EXHIBIT F.....	123,687.64

GIFTS AND GRANTS—PURPOSE AND DONOR

For the Year Ended August 31, 1944

CURRENT FUNDS

EDUCATIONAL AND GENERAL

UNRESTRICTED—SCHEDULE 1

ANONYMOUS.....	320.00
Estate of Susan Whitney Dimock.....	385.47
Estate of Wilmer Worth.....	750.00
	<u>1,455.47</u>

RESTRICTED

Schedule 1	
Alumni Office Expense—General Alumni Association.....	100.00
Library Books—Raymond J. Seeger.....	10.00
Council of Religious Organizations of GWUs.....	31.27
Medical School—Dr. Charles S. White.....	20.00
Salaries, Botany—National Research Council.....	3,000.00
	<u>3,161.27</u>
	3,391.97

Fellowships in neurology—Drs. Freeman and Watts†

3,553.24

Schedule 9

Organized Research—Various donors.....	1,559,337.13
Library Books—Henry F. Butler.....	50.00
Hellenic Society.....	35.00
Harry C. Davis.....	25.00
Society of Sigma Xi.....	36.75
Scholarships—Harryman Dorsey.....	224.00

American Foundation, Pharmaceutical Education

Scholarship Fund.....	400.00
United Airlines.....	300.00
	<u>100.00</u>

Hospital equipment—Ronald A. Cox.....

Deferred to 1944-45.....	504.83
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*Library Books—Council of Religious Organizations of GWU

†Fellowship in Neurology—Drs. Freeman and Watts.....	708.03
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1,561,720.74

1,565,273.98

Activities Relating to Instructional Departments

Hospital—Schedule 1

Estate of Mary C. Foster.....

731.25

Alpha Delta Pi Sorority.....	10 00
Chi Omega Sorority.....	25 00
Delta Gamma Sorority.....	50 00
Delta Zeta Sorority.....	10 00
Kappa Kappa Gamma Sorority.....	10 00
Phi Sigma Sigma Sorority.....	10 00
Pi Beta Phi Sorority.....	20 00
Pi Lambda Theta Fraternity.....	25 00
Sigma Kappa Sorority.....	10 00
von Briesen, Mrs. Fritz.....	25 00

210 00 1,567,670.70

LOAN FUNDS (Schedule 10)

George Washington Law Association Loan Fund—George Washington Law Association
Home Economics Loan Fund—D. C. Home Economics Association

191 00
35 00 226.00

ENDOWMENT FUNDS (Schedule 11)

UNRESTRICTED
Campaign Fund, 1923-24—John C. Stirratt.....

25.00

RESTRICTED
School of Medicine

School of Medicine Fund—Dr. Walter A. Bloedorn..... 100 00
Dr. Floyd C. Kelly..... 200 00
Dr. George D. McAfee..... 200 00

500.00

MISCELLANEOUS

Graduate Fund—various donors..... 558.00
Howard Library Fund—Colonel Deane Childs Howard..... 5,000.00
Meyer Library Fund—Eugene Meyer..... 1,000.00

6,558.00

HOSPITAL

General Hospital Endowment Fund—Alice Byrnes.....
Paige Swisher Scholarship Fund—Harold Keats.....

1,000.00

8,093.76 8,118.76

PLANT FUNDS UNEXPENDED (SCHEDULE 12)

PLANT ADDITIONS

General Building Fund—John C. Stirratt.....
Women's Activities Building Fund—various donors.....

25.00 574.44
549.44

TOTAL GIFTS..... 1,576,589.90

DESCRIPTION OF LOAN FUNDS

August 31, 1944

<p>DISTRICT OF COLUMBIA D. A. R. LOAN FUND Created from income of the D. C.—D. A. R. Endowment Fund. To be loaned to descendants of patriots of the American Revolution.</p>	<p>\$1,896.43</p>	<p>KELLOGG MEDICAL TECHNOLOGY LOAN FUND Gift of W. K. Kellogg Foundation in 1943, to be loaned to Medical Technologists in Training at the School of Medicine.</p>	<p>\$2,000.00</p>
<p>GEORGE WASHINGTON LAW ASSOCIATION LOAN FUND Gift of the George Washington Law Association to be loaned to students of the Law School.</p>	<p>\$568.00</p>	<p>STUDENT LOAN FUND Created by the University to make short time loans for educational purposes.</p>	<p>\$8,036.50</p>
<p>HOME ECONOMICS LOAN FUND Created in 1940 by the D. C. Home Economics Association to be loaned to senior girls majoring in Home Economics.</p>	<p>\$153.00</p>	<p>SUTHERLAND LOAN FUND Created in 1941 by gifts of various donors, to be loaned to students of the School of Medicine.</p>	<p>\$1,175.00</p>
<p>KELLOGG LOAN FUND Gift of the W. K. Kellogg Foundation to be loaned to students of the School of Medicine.</p>	<p>\$15,043.48</p>	<p>WAR LOAN FUND Created in 1942 by the United States Government to be loaned to students in technical and professional fields of National Defense.</p>	<p>\$15,990.74</p>

DESCRIPTION OF ENDOWMENT FUNDS

August 31, 1944

RESERVES FOR PROTECTION OF INVESTMENTS OF ENDOWMENT FUNDS

<p>RESERVE FOR PROTECTION OF CONSOLIDATED ENDOWMENT FUNDS INVESTMENTS Created from gains arising from the sale of investments, and by setting aside annually a portion of the net income of Consolidated Endowment Funds assets.</p>	<p>\$30,532.98</p>	<p>RESERVE FOR PROTECTION OF SCOTTISH RITE ENDOWMENT FUND INVESTMENTS Created from gains arising from the sale of Scottish Rite investments.</p>	<p>\$42,088.53</p>
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ACKER FUND Bequest of George N. Acker, M. D., received in 1924, the income only to be used.	KING, W. B., FUND Gift of William B. King, received in 1941 and 1942, the income only to be used.
ALUMNI ENDOWMENT FUND Established by the Class of 1920, to be added to by succeeding graduating classes, the income only to be used.	SUBSCRIPTION GIFTS FUND 1845-51 Raised by authority of the Trustees of Columbian College by general subscription between the years 1845-51, the income only to be used. (Formerly called the Poindexter Endowment Fund.)
CAMPAIGN FUND 1923-24 Receipts from various donors, the income only to be used.	SYMS FUND Bequest of Samuel Syms of West Hoboken, New Jersey, in 1891, the income only to be used.
CORCORAN FUND Raised by authority of the Trustees of Columbian College and Columbian University between the years 1871-86, William W. Corcoran giving \$112,000 and the balance being obtained by general subscription, the income only to be used.	TRUSTEES FUND Established by the Board of Trustees of the University in 1933, the income only to be used.
HAGGETT FUND Gift of Isabelle Barnes Haggett in 1941, the income only to be used.	WITHERS FUND Raised by authority of the Trustees of Columbian College between the years 1851-70, John Withers of Alexandria, Virginia, giving \$16,000, the balance being obtained by general subscription, the income only to be used. (Formerly called the Forty Thousand Dollar Endowment Fund.)

DESCRIPTION OF ENDOWMENT FUNDS (Continued)

August 31, 1944

PROFESSORSHIP FUNDS

ALUMNI PROFESSORSHIP FUND

Gifts of various alumni since 1911, the income to be used for the endowment of an alumni professorship in mathematics.

DEPEW COURSE IN PUBLIC SPEAKING FUND

Created by May Depew in 1936, the income to be used for the maintenance of a course to be known as the "Chauncey M. Depew Course in Public Speaking."

CARROLL PROFESSORSHIP FUND

Established by Mary A. Sharpe in 1928, in memory of Mitchell Carroll, the income to be used to provide revenue for a chair in Archeology.

CONGRESSIONAL PROFESSORSHIP FUND

Gift of the United States in 1832, by Act of Congress, of \$25,000 in city lots in Washington, D. C., to be sold, the proceeds invested, and the income to be used for professorships.

ELTON PROFESSORSHIP FUND

Bequest of Romeo Elton of Exeter, England, in 1872, the income to be used for a professorship of mental and moral philosophy, to be called the "Elton Professorship of Mental and Moral Philosophy."

YULEE ENDOWMENT FUND

Request of Nannie Yulee Noble in memory of her mother, Nancy Yulee, in 1929, the income to be used for lectures in home economics.

MISCELLANEOUS FUNDS

ART AND ARCHEOLOGY FUND

Established by the Board of Trustees in 1927, the income to be used in the "Support of the School of Classical Studies at Athens as long as the Board desires to contribute to this cause."

DISTRICT OF COLUMBIA D. A. R. FUND

Gifts by chapters in the District of Columbia, the income to be added to the D. C.—D. A. R. Loan Fund.

GRADUATE ENDOWMENT FUND

Created by the Class of 1926 to be used for the acquisition of sites, erection of buildings, and maintenance and purchase of equipment. Only the income may be used until Fund reaches \$50,000 when income, and principal over \$50,000, may be used.

HOWARD LIBRARY FUND

Gift of Colonel Deane Childs Howard in 1943 in memory of Captain Deane Childs Howard Jr., the income to be used for the benefit of the Library.

MEYER LIBRARY FUND

Gift of Eugene Meyer in 1944, the income to be used to purchase books for the Library.

SWISHER ALCOVE BOOK FUND

Gift of Dr. Charles Clinton Swisher, in trust for the Historical Society of the University, the income to be used for the purchase of books for the Swisher Alcove in the Library.

\$165,837.73

\$829.49

\$14,508.19

\$5,000.00

\$158,709.04

\$5,000.00

\$1,000.00

\$1,000.00

\$5,000.00

\$11,039.57

\$2,000.00

GOVERNMENT

SCOTTISH RITE ENDOWMENT FUND

\$1,000,000.00
Created by indenture December 27, 1928, by the Supreme Council of the Ancient and Accepted Scottish Rite of Freemasonry of the Southern Jurisdiction of the United States of America, as a permanent memorial to George Washington, The Mason. To be invested and the income used to establish and maintain a School or Department of Government.

MEDICAL

BORDEN MEDICAL FUND

\$2,758.26
Created in 1932, by William Cline Borden, M. D., and Jennie Ella Borden, and since added to by Daniel LeRay Borden, the income to be applied to lectureships in medical science to be known as the "William Cline Borden Lectures on Surgery or Medical Science."

COOPER MEDICAL RESEARCH FUND

\$10,000.00
Request of Eleanor J. Cooper in 1905, on certain terms since modified by the Supreme Court of D. C. as follows: the income to be used toward the establishment and maintenance, in connection with the Medical Department of the University, of a Research Laboratory, the work of this laboratory to be devoted to the investigation of the nature, causation, prevention, and cure of malaria and other infectious and contagious diseases.

MEDICAL—(Continued)

GARDNER MEDICAL SCHOOL FUND

\$4,486.55
Bequest of William D. Gardner, received in 1928, the income to be used toward the support of the School of Medicine.

LEWIS MEDICAL SCHOOL FUND

\$32,298.60
Bequest of Samuel E. Lewis, received in 1925, the income to be used toward the support of the School of Medicine.

SCHOOL OF MEDICINE ENDOWMENT FUND

\$4,820.00
Created in 1940 by the gifts of various donors, the income to be used for the development of the program of the School of Medicine.

SHARPE MEDICAL SCHOOL FUND

\$8,000.01
Gift of Mary A., Elizabeth M., and Sallie Sharpe in 1924, the income to be used for the School of Medicine.

PHARMACY

GIBBS PHARMACY FUND

\$10,000.00
Gift of M. G. Gibbs in 1927, the income to be used to aid in establishing and maintaining a commercial pharmacy course in connection with the School of Pharmacy.

DESCRIPTION OF ENDOWMENT FUNDS (Continued)

August 31, 1944

HOSPITAL FUNDS

CHAPMAN HOSPITAL FUND	\$1,225.90	REINHARDT HOSPITAL FUND	\$500.00
Bequest of Mrs. Susanna A. Chapman in 1911, the income to be used for the purposes of the free wards of the University Hospital.		Bequest of Luisa Wynne Reinhardt in 1922, the income to be used for the benefit of the University Hospital.	
GENERAL HOSPITAL ENDOWMENT FUND	\$1,100.00	TREE HOSPITAL FUND	\$10,000.00
Gifts of various donors, the income to be used toward the support of the University Hospital.		Bequest of Lambert M. Tree of Chicago, in 1911, in memory of his mother, Mrs. Laura M. Tree, the income to be used to support and maintain one or more beds in the University Hospital, to be known as the "Laura M. Tree Bed or Beds."	
KUHLBANK HOSPITAL FUND	\$988.55	WOMEN'S BOARD HOSPITAL FUND	\$1,000.00
Bequest of Freda Kuhlbank, received in 1930, the income to be added to the principal until the principal shall be large enough to maintain a bed in the White Ward of the Hospital to be known as the "Freda Kuhlbank Bed."		Gift of the Women's Board of The George Washington University Hospital in 1925, the income to be used by the Women's Board for the benefit of the University Hospital.	
NATIONAL PARK SEMINARY HOSPITAL FUND	\$500.00	WOODBURY HOSPITAL FUND	\$10,000.00
Gift of students of National Park Seminary of Forest Glen, Maryland, in 1906, the income to be used toward the maintenance of a bed in the University Hospital.		Bequest of Ellen DeQ. Woodbury in 1909, the income to be used for the reception and treatment of female patients in the University Hospital.	

PRIZE FUNDS

BURNS MEMORIAL AWARD FUND	\$1,000.00	HUBBARD PRIZE FUND	\$1,000.00
Gift of Persia Burns in 1937 in memory of her son, Byrne Thurtell Burns, the income to be used for an annual award in chemistry.		Gift of Gertrude M. Hubbard in 1907, in memory of her husband, Gardiner G. Hubbard, the income to be used for an annual award for excellence in American history.	
COWLES PRIZE FUND	\$2,000.00	LARNER PRIZE FUND	\$800.00
Gift of John Henry Cowles in 1943, the income to be used for annual awards in the School of Government.		Bequest of John B. Lerner in 1933, the income to be used for an annual award in the Law School.	
CROISSANT PRIZE FUND	\$1,000.00	ORDRONAUX PRIZE FUND	\$5,000.00
Bequest of DeWitt Clinton Croissant, received in 1941, the income to be used to award an annual prize for excellence in dramatics or dramatic studies.		Bequest of John Ordronaux of Glen Head, New York, in 1909 the income to be used for annual awards in the Law and Medical schools.	

RUGGLES PRIZE FUND
\$500.00
Gift of William Ruggles (at one time Acting President of Columbian College) in 1859, the income to be used for an annual award for excellence in mathematics.

STAUGHTON-ELTON PRIZE FUND
\$500.00
Gifts of Romeo Elton of Exeter, England, in 1860 and 1865; the income to be used for annual awards for excellence in the Latin and Greek languages, one to be called the Staughton Prize in Latin, the other the Elton Prize in Greek.

STERRETT PRIZE FUND
\$300.00
Gift of the Reverend J. MacBride Sterrett, in 1911, in memory of his son, J. MacBride Sterrett, Jr., the income to be used for a gold medal to be awarded annually to the student obtaining the highest average in general physics.

SWISHER PRIZE FUND
\$1,000.00
Gift of Charles Clinton Swisher, the income to be applied yearly to enlarging the sum set apart for the Historical Prize established in his name by the Historical Club, December 7, 1936.

WALSH PRIZE FUND
\$1,000.00
Gift of Thomas F. Walsh of Washington, D. C., in 1901, the income to be used for an annual award for the best essay on some topic in Irish history.

WEDDELL PRIZE FUND
\$5,000.00
Gift of Virginia Chase Weddell in 1923, the income to be used to award annually the Alexander Wilbourne Weddell Prize, to the student submitting the best essay upon the general subject of the promotion of peace among the nations of the world.

CUTLER PRIZE FUND
\$1,000.00
Gift of Marion Kendall Cutler in 1902, in memory of E. K. Cutler, the income to be used for an annual award for excellence in the study of English.

DAVIS PRIZE FUND
\$700.00
Gift of Isaac Davis of Worcester, Massachusetts, in 1847, the income to be used for annual awards to members of the senior class who have made the greatest progress in elocution since their connection with the College.

EVANS MEMORIAL AWARD FUND
\$1,100.00
Gift of friends of Joshua Evans III, the income to be used to establish a prize, as a memorial to an "outstanding life," to be awarded annually "to that man in the graduating class of The George Washington University who has demonstrated his signal ability in the social and political sciences and who has given promise of the interpretation of that ability in good citizenship among his fellows."

FITCH PRIZE FUND
\$1,000.00
Gift of James E. Fitch in 1883 in memory of Willie E. Fitch, the income to be used for an annual award to a senior student for the best general examination in chemistry.

GODDARD PRIZE FUND
\$5,519.00
Gifts of Mary W. Goddard, Alice Douglas Goddard and Frederick J. Goddard of Georgetown, D. C., in 1923, in memory of Morgan Richardson Goddard, Edward Carington Goddard and James Douglas Goddard; added to in 1941 by a gift of Frederick J. Goddard in memory of Alice Douglas Goddard. The income shall be used to award four cash prizes annually to the students making the highest averages in commerce, French language and literature, pharmacy, and American literature, respectively.

DESCRIPTION OF PLANT FUNDS—UNEXPENDED

August 31, 1944

PLANT ADDITIONS

CLASS OF 1929 WOMEN'S UNIT No. 3 FUND	
Gifts from the women members of the Class of 1929 to be used to aid in the building of Unit No. 3.....	\$348.14
GENERAL BUILDING FUND	
An open subscription fund to be continued and increased indefinitely. To be used for the purchase of sites, buildings, equipment; to remodel and rebuild; and to pay off obligations. Authorized by the Trustees of the University in 1916.	\$270.56
GEORGE WASHINGTON MEMORIAL FUND	
Transfer of the assets of the George Washington Memorial Association to the University to be used toward the erection and equipping of the auditorium.....	\$32,162.63
OHIO SECTION OF THE GEORGE WASHINGTON MEMORIAL ASSOCIATION FUND	
Gift of the Ohio Section of the George Washington Memorial Association to be used to erect a memorial.....	\$1,357.82
PAIRO FUND	
Created by Richard E. Pairo, by devise and bequest, for the use and benefit of Athletics of the University.....	\$126,951.71
SCHWAB FUND	
Bequest of Marianna F. Schwab to be used for hospital building purposes.....	\$2,484.12
STUDENT UNION FURNISHINGS FUND	
Created in 1931 by various contributions, to furnish and equip a student union building.....	\$1,538.06
WOMEN'S ACTIVITIES BUILDING FUND	
Created in 1939 by gifts of various donors to erect a women's activities building.....	\$3,032.21

RETIREMENT OF INDEBTEDNESS

RESERVE FOR REDUCTION OF THE NOTE PAYABLE OF CURRENT AND PLANT FUNDS TO CONSOLIDATED ENDOWMENT FUNDS	
PRINCIPAL	
Created to assist in payment of the George Washington University Trust Note Payable (Schedule 8).....	\$19,458.34

RESERVE FOR PROTECTION OF INVESTMENTS OF PLANT FUNDS

Created from gains arising from the sales of investments, and by having set aside annually (through the year 1937-1938) a portion of the income of Consolidated Plant Funds Investments.....	\$3,488.68
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ORDINANCES AND CODE
GOVERNING THE
ACADEMIC PERSONNEL

1945

DESCRIPTION OF PLANT FUNDS--UNEXPENDED

August 31, 1944

PLANT ADDITIONS

FOREWORD

The Board of Trustees of The George Washington University has authorized the publication of these revised ordinances governing the academic personnel as adopted by the Board May 24, 1945.

The University acknowledges its indebtedness to the several committees of the faculty and of the Board for compiling these rulings and formulating the statement of privileges and responsibilities of the academic personnel and of the University.

For the University,

CLOYD H. MARVIN
President

DESCRIPTION OF PLANT FUNDS--UNEXPENDED

August 31, 1944

PLANT ADDITIONS

IN ACCORDANCE with the authority under the charter of the University, granted by the United States of America; and the ordinances of the Board of Trustees adopted thereunder, the following code governing the academic personnel is established.

I. GRADES OF ACADEMIC SERVICE¹

The grades of academic service now in effect are:

1. Retired status: professor emeritus, and retirement in any given rank for age or disability.

2. Active status:

A. *Full service*: professor², visiting professor, associate professor, assistant professor, instructor, research associate, and research assistant.

¹ As used in this Code, the word "staff" includes all members of the staff of instruction as designated in 2 A and 2 B of this Article and the word "faculty" includes members of the academic personnel who are included in the membership of the University Faculty or of the school and college faculties as defined by the Board of Trustees.

² Except as limited in I, 2 B.

DESCRIPTION OF PLANT FUNDS—UNEXPENDED

August 31, 1944

PLANT ADDITIONS

CLABS OF 1929 WOMEN'S UNIT No. 1 FIFTH

B. *Limited service*: professor (medical), adjunct professor, adjunct clinical professor, professorial lecturer, clinical professor, associate clinical professor, assistant clinical professor, associate (medical), lecturer, clinical instructor, associate, research assistant, teaching fellow.

II. ACADEMIC FREEDOM

Members of the staff shall enjoy academic freedom.

1. The University will not place any restraint upon the freedom of investigation of a member of the staff. However, a member of the full service faculty shall not permit his research to interfere with his teaching duties; he shall take cognizance of University policies in regard to the coordination of research projects; and he shall take part in cooperative research projects undertaken by the University. A member of the full service faculty may apply through the University Committee on Research for modification of his program so as to permit

him to undertake an approved research project which could not be undertaken without such cooperation.

2. The University will not impose any limitation upon a staff member's freedom of exposition of his own subject in the classroom. A member of the staff shall adapt his instruction to the needs of his students, and shall abstain from discussing in the classroom controversial topics outside his own field.

3. The University will not impose any limitation upon a staff member's freedom of exposition of his own subject in addresses or in publications outside the University.

4. A member of the staff in speaking and writing outside the University upon subjects beyond the scope of his own field of study is entitled to the same rights and is subject to the same duties as other citizens. The University assumes no responsibility for views expressed by members of the staff on such occasions, and members of the staff shall make it clear that they are expressing only their personal opinions.

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III. PROFESSIONAL RESPONSIBILITIES

A member of the staff shall perform well his academic duties, strive for professional development, and apply his talents to the service of his profession, his community, and the country.

1. In his classroom a member of the staff is responsible for the character of the instruction, the maintenance of good order, and the observance of University regulations. He shall make adequate preparation for his classes and conduct them in a dignified and courteous manner.

2. A member of the staff shall perform conscientiously his other academic duties, such as meeting classes on time; holding classes for the full period; grading tests and examinations and reporting the grades promptly; reporting promptly to the dean matters requiring disciplinary action and to the business offices matters relating to the physical condition of classrooms and laboratories; attending faculty meetings, convocations, and other academic events; serving on faculty or University committees; assisting in the administrative work of his department or in the general

administrative work of the University; and serving as a general or departmental adviser to students.

3. A member of the staff should strive to grow in professional competence by means of sound scholarship, effective teaching, and original contributions. He should be a student of contemporary life so as to be able to interpret his field in the light of related knowledge. He should strive for the advancement of knowledge in his field of learning by individual research and by participation in the activities of professional societies.

4. A member of the full service faculty shall have the primary responsibility of devoting his time, thought, and energy to the service of the University. No such member of the faculty shall accept an outside teaching appointment during the academic year or engage in any other regular activity of a remunerative nature without the approval of the University. A member of the full service faculty is under obligation not to permit such employment, even when officially approved, to interfere with his responsibility to the University.

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IV. APPOINTMENT, REAPPOINTMENT,
TENURE, AND PROMOTION

The following principles in regard to appointment, reappointment, tenure, and promotion are in force:

1. All new appointees to the staff, regardless of rank, will serve a probationary period of stated length.

Every new appointment contract shall be in writing and shall incorporate by reference the provisions of this Code. A copy of the contract and of this Code shall be given to the new appointee at or before the time of the consummation of the appointment.

2. Visiting Professors on a full-time status, adjunct clinical professors, professorial lecturers, assistant clinical professors, associates (medical), lecturers, clinical instructors, associates, research associates, research assistants, and teaching fellows will be employed on contracts which may be renewed an unlimited number of times.

3. Instructors will be engaged on annual contracts. If an instructor is not promoted by the time he has been on the faculty for four years, his contract

will not be renewed except by special action of the Board of Trustees upon the recommendation of the appropriate officers.

4. Renewal contracts for assistant professors may be for one, two, or three years' duration. If an assistant professor is not promoted by the time he has served as assistant professor for seven years, his contract will not be renewed except by special action of the Board of Trustees upon the recommendation of the appropriate officers.

5. Professors, adjunct professors, clinical professors, associate professors, associate clinical professors, with the exception of those serving definitely stated probationary periods, have the status of continuous tenure.

6. A member of the faculty who has received an appointment of continuous tenure will no longer receive contracts but will be notified in writing of salary allowances.

7. Promotion in rank is dependent upon growth in professional competence. Such growth may be evidenced by increased teaching ability, productive scholarship, participation and lead-

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ership in professional societies, public service, or service on University committees, or a combination of the above. It is expected that as a general practice a promotion in rank shall be accompanied by an appropriate increase in salary.

V. TERMINATION OF SERVICE

1. All contracts for a definite period of service expire automatically with the completion of the service and the time specified. Members of the faculty who are under contract for periods of two terms or more shall be notified prior to the beginning of the last University term of their service if it is the intention of the University not to renew such contracts.

2. In case it is proposed to terminate the services of a member of the faculty having the status of continuous tenure, a statement of the grounds for such proposed action will be given to him in writing at least one full academic year before the proposed termination of his services. The member of the faculty then may have, if he so desires, a consideration of his case by a special faculty

advisory committee and by the Personnel Committee of the Board of Trustees.

3. Termination of an appointment of continuous tenure because of financial exigencies will be considered only as a last resort, after every effort has been made to meet the need in other ways and to find for the member of the faculty other employment in the University.

4. A member of the faculty who wishes to terminate his connection with the University shall give notice prior to the beginning of the last term during which the member of the faculty proposes to serve the University.

VI. LEAVE

1. Leave of absence without salary for study or for any other good reason may be requested by a member of the faculty at any time.

2. When circumstances permit, the Board of Trustees will grant sabbatical leave to a member of the faculty who has served six years in the University on full service above the rank of instructor or who has served six years

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after a preceding grant of sabbatical leave.

An application for sabbatical leave should outline an educational program which the applicant pledges himself to follow if the leave is granted. The application must be approved by the executive officer of the department, the dean of the college or school, and the President of the University.

A member of the faculty by accepting a grant of sabbatical leave obligates himself to continue in the service of the University for at least one year following the sabbatical leave, unless other arrangements are agreed to by the University.

The University will pay a member of the faculty while on sabbatical leave one-half of his salary for two terms or all his salary for one term. The salary is paid as a compensation for the benefits received by the University from the efforts of the faculty member on leave and for his undertaking to continue in the service of the University.

3. The following policies apply in regard to war leave:

Members of the faculty who have continuous tenure will be granted leave

of absence for military or civilian war service for the duration.

Members of the faculty who are on contract with the University for other than a one-year period will be granted leave of absence for military or civilian war service for the duration which time of leave shall not count against the period of the contract.

Instructors who are on annual contract will be granted leave of absence for military or civilian war service for the duration and upon their return to the University will be offered a new annual contract.

The University will return the members of the faculty on war leave to service at the beginning of the term next following their severance from their war service. The word "term" does not mean "summer term" but the University reserves the right to request their service in the summer term.

The foregoing provisions with respect to war leave are expressly subject to the two following conditions, namely, (1) members of the faculty in civilian war service may be requested by the University to return on sixty days' notice, and (2) the return to service of all members

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of the faculty from military or civilian war duties is conditioned upon the mental, moral, and physical competence of such persons to resume their positions in the University.

VII. RETIREMENT

1. A member of the faculty shall be retired at the end of the academic year (September to June, inclusive) in which he reaches the age of sixty-five years or, if his sixty-fifth birthday falls in July or August, at the end of the fall term following, unless, with the consent of the faculty member and upon the recommendation of the appropriate officers, the Board of Trustees shall continue him under contract. In no case, however, shall a member of the faculty be continued in active service beyond the end of the fiscal year in which he reaches the age of seventy years.

2. A member of the faculty who has served on a full-service basis with the rank of professor or associate professor for fifteen years or more in this or other accredited colleges or universities and who becomes incapacitated and unable to continue his duties is eligible for retirement.

3. All members of the University staff who upon retirement for age hold the rank of professor or associate professor shall be awarded emeritus status. Members of the University staff who upon retirement for disability hold the rank of professor or associate professor, upon the recommendation of the appropriate officers to the Board of Trustees shall be awarded emeritus status. All members of the University staff on limited service who upon retirement for age or disability hold the rank of professor (medical), adjunct professor, professorial lecturer, clinical professor, associate professor (medical), may upon the recommendation of the appropriate officers to the Board of Trustees be awarded emeritus status.

A professor emeritus is entitled to use the facilities of the University and to participate in faculty meetings, but he is without vote. He may serve on committees and may perform such other services as are in keeping with his desires and with the needs of the University.

4. A member of the faculty who is retired upon reaching the retirement age

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after serving on a full-service basis with the rank of professor or associate professor for fifteen years or more, at least ten of which shall have been at The George Washington University, or a member of the faculty who is retired upon becoming incapacitated after serving on a full-service basis with the rank of professor or associate professor as specified in Article VII, section 2, may be eligible for retirement allowances as provided by the Board of Trustees.

VIII. FACULTY ADVISORY COMMITTEES

1. Any member of the faculty who feels that his privileges under this Code are not being respected by the University may have the matter reviewed by a special committee.

2. Any administrative officer of the University is likewise privileged to have a special committee review any case involving the dismissal of a member of the faculty who has the status of continuous tenure, or to consider other personnel problems, such as the incompetence, inefficiency, disloyalty, or unprofessional conduct of a member of the faculty.

3. The member of the faculty or the administrative officer desiring the appointment of such a committee shall make his request in writing to the appropriate Dean's Council. The Dean's Council to which the application is made shall then select a committee of five members. Both the faculty member and the administrative officers concerned in the case shall have an unlimited number of peremptory challenges in the selection of the committee, and the committee finally selected shall have the approval of the parties concerned.

A committee so appointed shall serve only for the specific case in question. The parties concerned shall be privileged to be present at all hearings. The opinion of the committee shall be advisory. Written copies of the opinion shall be given to the parties concerned.

IX. HEALTH SERVICE

The University, recognizing the influence of the health of the college teacher on his professional competence, provides an annual physical examination without charge to all members of

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the staff who care to avail themselves of the privilege.

X. EFFECTIVE DATE

This revision of the Ordinances and Code Governing the Academic Personnel shall be effective from May the twenty-fourth, nineteen hundred and forty-five.

